

ESAT Controlled Number: ESAT5.217.00423-pj 11 FEB 2011

N
2/11/11

DATE: February 11, 2011

Seagull Environmental Technologies, Inc.

ATTN: **Mr. Ryan Lunt**

11905 Gillette Street

Overland Park, KS 66213

US EPA RECORDS CENTER REGION 5



411673

SITE NAME: Chemetco (IL) – level 3 data validation

<u>Case</u>	<u>Lab</u>	<u>Samples</u>	<u>SDG</u>	<u>Matrix</u>
40949	TA Burlington	11	ME52Z5	soil

Analysis: metals, mercury & cyanide

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

PLEASE!!!! Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by: Ryan M. Lunt Date: 03/11/2011

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

Data is complete

Received by Data Management Coordinator, CRL for file.

Signature: Ryan M. Lunt Date: 03/11/2011

FROM: **U.S. EPA - Region 5**
Sylvia Griffin
Chicago Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Pat Joyner
Data Coordinator
ESAT Region 5 **TechLaw**

ESAT5.215.00151-ACH 2-10-11
(pj)

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 02/03/11

SUBJECT: Review of Data
Received for review on 01/25/11

FROM: Timothy Prendiville, Supervisor, Chief (SRT-6J)
Superfund Contract Management Section

TO: Data User: Seagull
Email address: rlunt@seagullevirotech.com

LEVEL 3 DATA VALIDATION

We have reviewed the data for the following case:

SITE NAME: Chemetco (II)

CASE NUMBER: 40949 SDG NUMBER: ME52Z5

Number and Type of Samples: 11 soil samples

Sample Numbers: ME52Z5, Z7, ME5306-13, ME5318

Laboratory: TA-Burlington Hrs. for Review: _____

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SA-5J

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Eleven (11) soil samples, numbered ME52Z5, Z7, ME5306-13, ME5318, were collected on January 11-12, 2011. The lab received the samples on January 14, 2011 in good condition. All samples were analyzed for metals and cyanide. All samples were analyzed using the CLP SOW ISM01.2 analysis procedures.

Mercury analysis was performed using a Cold Vapor AA Technique. Cyanide analysis was performed using the MIDI Distillation procedure. The remaining inorganic analyses were performed using an Inductively Coupled Plasma-Atomic Emission Spectroscopy (ICP-AES) procedure.

EXES flagged samples J-/R for improper preservation. It is unclear why. The flags for improper preservation have been removed from this reviewers report.

1. HOLDING TIME:

The inorganic soil samples were reviewed for holding time violations using criteria developed for water samples. No defects were found.

2. CALIBRATIONS:

The following inorganic samples are associated with a non-zero calibration standard which did not meet percent difference criteria (+/-30% of true value).

Hits are qualified "J" and non-detects are qualified "UJ".

Cyanide

ME52Z5, ME52Z7, ME5306, ME5307, ME5308, ME5309, ME5310, ME5311, ME5312

3. BLANKS:

The following inorganic samples are associated with an ICB/CCB or preparation blank concentration which is greater than the method detection limit (MDL). The sample result is greater than the MDL.

Hits less than the CRQL are qualified "U". The sample result is raised to the CRQL.
Hits greater than the CRQL but less than 5 times the blank are qualified "J+".

Cyanide

ME52Z5, ME52Z7, ME5306, ME5307, ME5308, ME5309, ME5310, ME5311, ME5312, ME5313, ME5318

The following inorganic samples are associated with a negative ICB/CCB or preparation blank concentration whose absolute value is greater than the method detection limit (MDL). The sample result is also greater than the MDL.

Hits less than 5 times the blank are qualified "J-".

Mercury

ME52Z5, ME52Z7, ME5306, ME5307, ME5308, ME5309, ME5311, ME5313, ME5318

No samples were identified as field blanks.

4. MATRIX SPIKE/MATRIX SPIKE DUPLICATE AND LAB CONTROL SAMPLE:

The following inorganic samples are associated with a matrix spike recovery which is low (30-74%) indicating that sample results may be biased low. The required post spike was performed and results were greater than or equal to 75%.

Hits are qualified "J" and non-detects are qualified "UJ".

Antimony

ME52Z5, ME52Z7, ME5306, ME5307, ME5308, ME5309, ME5310, ME5311, ME5312, ME5313, ME5318

The following inorganic samples are associated with a matrix spike recovery which is low (30-74%) indicating that sample results may be biased low. The required post spike was not performed.

Hits are qualified "J-" and non-detects are qualified "UJ".

Silver

ME52Z5, ME52Z7, ME5306, ME5307, ME5308, ME5309, ME5310, ME5311, ME5312, ME5313, ME5318

No defects were found for the laboratory control sample.

5. LABORATORY AND FIELD DUPLICATE:

The following inorganic samples are associated with duplicate results which did not meet relative percent difference (RPD) primary criteria.

Hits are qualified "J" and non-detects are qualified "UJ".

Lead

ME52Z5, ME52Z7, ME5306, ME5307, ME5308, ME5309, ME5310, ME5311, ME5312, ME5313, ME5318

Manganese

ME52Z5, ME52Z7, ME5306, ME5307, ME5308, ME5309, ME5310, ME5311, ME5312, ME5313, ME5318

Zinc

ME52Z5, ME52Z7, ME5306, ME5307, ME5308, ME5309, ME5310, ME5311, ME5312, ME5313, ME5318

ME5309/18 are a field duplicate pair. No defects were found for the field duplicate samples.

6. ICP ANALYSIS:

No defects were found for the serial dilution or ICS samples.

7. SAMPLE RESULTS:

The following inorganic samples have analyte concentrations reported above the method detection limit (MDL) but below the quantitation limit (CRQL).

Results are qualified "J".

Antimony

ME5311

Beryllium

ME52Z7, ME5306, ME5307, ME5313

Mercury

ME52Z5, ME52Z7, ME5306, ME5307, ME5308, ME5309, ME5310, ME5311,
ME5313, ME5318

Selenium

ME5307, ME5310, ME5312

Silver

ME5312

Sodium

ME52Z5, ME52Z7, ME5306, ME5307, ME5308, ME5309, ME5311, ME5313,
ME5318

All data, except those qualified above, are acceptable.

EXES ISM01.2 Data Qualifier Sheet

<u>Qualifiers</u>	<u>Data Qualifier Definitions</u>
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
UJ	The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Sample Summary Report

Case No:	40949	Contract:	EPW09044	SDG No.	ME52Z5	Lab Code:	STLV
Sample Number	LCS	Method:	ICP_AES	Matrix.	Soil	MA Number	DEFAULT
Sample Location:		pH.		Sample Date:		Sample Time:	
% Moisture				% Solids :	100		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Aluminum			1.0			Yes	
Antimony			1.0			Yes	
Arsenic			1.0			Yes	
Barium			1.0			Yes	
Beryllium			1.0			Yes	
Cadmium			1.0			Yes	
Calcium			1.0			Yes	
Chromium			1.0			Yes	
Cobalt			1.0			Yes	
Copper			1.0			Yes	
Iron			1.0			Yes	
Lead			1.0			Yes	
Magnesium			1.0			Yes	
Manganese			1.0			Yes	
Nickel			1.0			Yes	
Potassium			1.0			Yes	
Selenium			1.0			Yes	
Silver			1.0			Yes	
Sodium			1.0			Yes	
Thallium			1.0			Yes	
Vanadium			1.0			Yes	
Zinc			1.0			Yes	

No	40949	Contract:	EPW09044	SDG No:	ME52Z5	Lab Code.	STLV
Sample Number	ME52Z5	Method.	Hg	Matrix	Soil	MA Number	DEFAULT
Sample Location	RS-1	pH		Sample Date	01112011	Sample Time	15 48 00
% Moisture .				% Solids .	75 0		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Mercury	0.042	mg/kg	1.0	J	J-	Yes	S2BVE

Case No.	40949	Contract:	EPW09044	SDG No.	ME52Z5	Lab Code.	STLV
Sample Number	ME52Z5	Method.	CN	Matrix	Soil	MA Number	DEFAULT
Sample Location.	RS-1	pH.		Sample Date.	01112011	Sample Time	15:48 00
% Moisture .				% Solids	75.0		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Cyanide	1.2	mg/kg	1.0		J+	Yes	S2BVE

Case No.	40949	Contract.	EPW09044	SDG No	ME52Z5	Lab Code	STLV
Sample Number.	ME52Z5	Method	ICP_AES	Matrix	Soil	MA Number.	DEFAULT
Sample Location	RS-1	pH		Sample Date.	01112011	Sample Time.	15 48 00
% Moisture				% Solids	75.0		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Aluminum	9360	mg/kg	1.0			Yes	S2BVE
Antimony	7.1	mg/kg	1.0	UN	UJ	Yes	S2BVE
Arsenic	7.7	mg/kg	1.0			Yes	S2BVE
Barium	187	mg/kg	1.0			Yes	S2BVE
Beryllium	0.71	mg/kg	1.0			Yes	S2BVE
Cadmium	1.1	mg/kg	1.0			Yes	S2BVE
Calcium	4640	mg/kg	1.0			Yes	S2BVE
Chromium	14.0	mg/kg	1.0			Yes	S2BVE
Cobalt	7.7	mg/kg	1.0			Yes	S2BVE
Copper	70.2	mg/kg	1.0			Yes	S2BVE
Iron	15100	mg/kg	1.0			Yes	S2BVE
Lead	87.7	mg/kg	10.0	D E	J	Yes	S2BVE
Magnesium	3150	mg/kg	1.0			Yes	S2BVE
Manganese	547	mg/kg	10.0	D	J	Yes	S2BVE
Nickel	19.7	mg/kg	1.0			Yes	S2BVE
Potassium	2370	mg/kg	1.0			Yes	S2BVE
Selenium	4.2	mg/kg	1.0	U	U	Yes	S2BVE
Silver	1.2	mg/kg	1.0	UN	UJ	Yes	S2BVE
Sodium	92.6	mg/kg	1.0	J	J	Yes	S2BVE
Thallium	3.0	mg/kg	1.0	U	U	Yes	S2BVE
Vanadium	22.1	mg/kg	1.0			Yes	S2BVE
Zinc	344	mg/kg	10.0	D	J	Yes	S2BVE

Case No	40949	Contract:	EPW09044	SDG No	ME52Z5	Lab Code:	STLV
Sample Number:	ME52Z7	Method:	CN	Matrix	Soil	MA Number	DEFAULT
Sample Location:	RS-3	pH		Sample Date	01112011	Sample Time.	17:12.00
% Moisture :				% Solids :	71.1		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Cyanide	0.91	mg/kg	1.0		J+	Yes	S2BVE

No.	40949	Contract:	EPW09044	SDG No:	ME52Z5	Lab Code	STLV
Sample Number.	ME52Z7	Method	ICP_AES	Matrix	Soil	MA Number:	DEFAULT
Sample Location.	RS-3	pH.		Sample Date:	01112011	Sample Time:	17 12 00
% Moisture				% Solids .	71.1		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Aluminum	8300	mg/kg	1.0			Yes	S2BVE
Antimony	6.6	mg/kg	1.0	UN	UJ	Yes	S2BVE
Arsenic	6.3	mg/kg	1.0			Yes	S2BVE
Barium	139	mg/kg	1.0			Yes	S2BVE
Beryllium	0.53	mg/kg	1.0	J	J	Yes	S2BVE
Cadmium	2.0	mg/kg	1.0			Yes	S2BVE
Calcium	3660	mg/kg	1.0			Yes	S2BVE
Chromium	11.9	mg/kg	1.0			Yes	S2BVE
Cobalt	6.0	mg/kg	1.0			Yes	S2BVE
Copper	204	mg/kg	10.0	D		Yes	S2BVE
Iron	12900	mg/kg	1.0			Yes	S2BVE
Lead	171	mg/kg	10.0	DE	J	Yes	S2BVE
Magnesium	2640	mg/kg	1.0			Yes	S2BVE
Manganese	395	mg/kg	10.0	D	J	Yes	S2BVE
Nickel	21.2	mg/kg	1.0			Yes	S2BVE
Potassium	2160	mg/kg	1.0			Yes	S2BVE
Selenium	3.9	mg/kg	1.0	U	U	Yes	S2BVE
Silver	1.1	mg/kg	1.0	UN	UJ	Yes	S2BVE
Sodium	48.1	mg/kg	1.0	J	J	Yes	S2BVE
Thallium	2.8	mg/kg	1.0	U	U	Yes	S2BVE
Vanadium	20.5	mg/kg	1.0			Yes	S2BVE
Zinc	305	mg/kg	10.0	D	J	Yes	S2BVE

Case No:	40949	Contract:	EPW09044	SDG No:	ME52Z5	Lab Code.	STLV
Sample Number.	ME52Z7	Method.	Hg	Matrix.	Soil	MA Number:	DEFAULT
Sample Location.	RS-3	pH:		Sample Date	01112011	Sample Time	17.12.00
% Moisture :				% Solids :	71.1		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Mercury	0 022	mg/kg	1.0	J	J-	Yes	S2BVE

No:	40949	Contract	EPW09044	SDG No:	ME52Z5	Lab Code	STLV
Sample Number:	ME5306	Method.	CN	Matrix:	Soil	MA Number.	DEFAULT
Sample Location	OS-1	pH		Sample Date.	01112011	Sample Time.	15:07.00
% Moisture				% Solids	76.3		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Cyanide	0.80	mg/kg	1.0		J+	Yes	S2BVE

Case No	40949	Contract	EPW09044	SDG No:	ME52Z5	Lab Code.	STLV
Sample Number:	ME5306	Method.	ICP_AES	Matrix.	Soil	MA Number	DEFAULT
Sample Location.	OS-1	pH:		Sample Date.	01112011	Sample Time.	15 07 00
% Moisture				% Solids .	76.3		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Aluminum	6980	mg/kg	1.0			Yes	S2BVE
Antimony	6.2	mg/kg	1.0	UN	UJ	Yes	S2BVE
Arsenic	5.5	mg/kg	1.0			Yes	S2BVE
Barium	149	mg/kg	1.0			Yes	S2BVE
Beryllium	0.37	mg/kg	1.0	J	J	Yes	S2BVE
Cadmium	0.92	mg/kg	1.0			Yes	S2BVE
Calcium	2590	mg/kg	1.0			Yes	S2BVE
Chromium	10.3	mg/kg	1.0			Yes	S2BVE
Cobalt	6.2	mg/kg	1.0			Yes	S2BVE
Copper	44.0	mg/kg	1.0			Yes	S2BVE
Iron	10500	mg/kg	1.0			Yes	S2BVE
Lead	37.2	mg/kg	10.0	DE	J	Yes	S2BVE
Magnesium	2180	mg/kg	1.0			Yes	S2BVE
Manganese	588	mg/kg	20.0	D	J	Yes	S2BVE
Nickel	14.8	mg/kg	1.0			Yes	S2BVE
Potassium	1970	mg/kg	1.0			Yes	S2BVE
Selenium	3.6	mg/kg	1.0	U	U	Yes	S2BVE
Silver	1.0	mg/kg	1.0	UN	UJ	Yes	S2BVE
Sodium	42.5	mg/kg	1.0	J	J	Yes	S2BVE
Thallium	2.6	mg/kg	1.0	U	U	Yes	S2BVE
Vanadium	17.7	mg/kg	1.0			Yes	S2BVE
Zinc	94.3	mg/kg	1.0		J	Yes	S2BVE

Case No	40949	Contract.	EPW09044	SDG No	ME52Z5	Lab Code.	STLV
Sample Number.	ME5306	Method:	Hg	Matrix:	Soil	MA Number:	DEFAULT
Sample Location.	OS-1	pH:		Sample Date.	01112011	Sample Time	15.07.00
% Moisture .				% Solids :	76.3		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Mercury	0.030	mg/kg	1.0	J	J-	Yes	S2BVE

Case No:	40949	Contract:	EPW09044	SDG No	ME52Z5	Lab Code.	STLV
Sample Number:	ME5307	Method:	CN	Matrix:	Soil	MA Number.	DEFAULT
Sample Location:	OS-2	pH		Sample Date:	01112011	Sample Time.	15 10.00
% Moisture .				% Solids :	75 6		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Cyanide	0.76	mg/kg	1.0		J+	Yes	S2BVE

Case No.	40949	Contract	EPW09044	SDG No.	ME52Z5	Lab Code.	STLV
Sample Number.	ME5307	Method.	Hg	Matrx	Soil	MA Number:	DEFAULT
Sample Location	OS-2	pH		Sample Date.	01112011	Sample Time.	15 10.00
% Moisture .				% Solids :	75 6		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Mercury	0 016	mg/kg	1.0	J	J-	Yes	S2BVE

Case No:	40949	Contract	EPW09044	SDG No.	ME52Z5	Lab Code	STLV
Sample Number.	ME5307	Method.	ICP_AES	Matrix	Soil	MA Number:	DEFAULT
Sample Location.	OS-2	pH		Sample Date	01112011	Sample Time:	15 10 00
% Moisture .				% Solids .	75.6		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Aluminum	7490	mg/kg	1.0			Yes	S2BVE
Antimony	6.5	mg/kg	1.0	UN	UJ	Yes	S2BVE
Arsenic	5.9	mg/kg	1.0			Yes	S2BVE
Barium	183	mg/kg	1.0			Yes	S2BVE
Beryllium	0.46	mg/kg	1.0	J	J	Yes	S2BVE
Cadmium	1.5	mg/kg	1.0			Yes	S2BVE
Calcium	3320	mg/kg	1.0			Yes	S2BVE
Chromium	11.2	mg/kg	1.0			Yes	S2BVE
Cobalt	7.6	mg/kg	1.0			Yes	S2BVE
Copper	162	mg/kg	10.0	D		Yes	S2BVE
Iron	11300	mg/kg	1.0			Yes	S2BVE
Lead	91.6	mg/kg	10.0	D E	J	Yes	S2BVE
Magnesium	2340	mg/kg	1.0			Yes	S2BVE
Manganese	689	mg/kg	20.0	D	J	Yes	S2BVE
Nickel	20.3	mg/kg	1.0			Yes	S2BVE
Potassium	2110	mg/kg	1.0			Yes	S2BVE
Selenium	0.31	mg/kg	1.0	U	J	Yes	S2BVE
Silver	1.1	mg/kg	1.0	UN	UJ	Yes	S2BVE
Sodium	40.5	mg/kg	1.0	J	J	Yes	S2BVE
Thallium	2.7	mg/kg	1.0	U	U	Yes	S2BVE
Vanadium	19.1	mg/kg	1.0			Yes	S2BVE
Zinc	185	mg/kg	1.0		J	Yes	S2BVE

Sample No.	40949	Contract	EPW09044	SDG No:	ME52Z5	Lab Code:	STLV
Sample Number	ME5308	Method:	CN	Matrix.	Soil	MA Number	DEFAULT
Sample Location	CS-5	pH.		Sample Date	01122011	Sample Time:	08.40.00
% Moisture				% Solids	81.3		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Cyanide	0.72	mg/kg	1.0		J+	Yes	S2BVE

Case No.	40949	Contract.	EPW09044	SDG No:	ME52Z5	Lab Code.	STLV
Sample Number	ME5308	Method:	Hg	Matrix:	Soil	MA Number:	DEFAULT
Sample Location	CS-5	pH:		Sample Date:	01122011	Sample Time:	08 40:00
% Moisture				% Solids .	81.3		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Mercury	0.011	mg/kg	1 0	J	J-	Yes	S2BVE

Sample No:	40949	Contract:	EPW09044	SDG No.	ME52Z5	Lab Code.	STLV
Sample Number:	ME5308	Method:	ICP_AES	Matrix:	Soil	MA Number.	DEFAULT
Sample Location	CS-5	pH		Sample Date:	01122011	Sample Time:	08:40:00
% Moisture				% Solids :	81.3		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Aluminum	7930	mg/kg	1.0			Yes	S2BVE
Antimony	5.9	mg/kg	1.0	UN	UJ	Yes	S2BVE
Arsenic	5.0	mg/kg	1.0			Yes	S2BVE
Barium	167	mg/kg	1.0			Yes	S2BVE
Beryllium	0.93	mg/kg	1.0			Yes	S2BVE
Cadmium	2.0	mg/kg	1.0			Yes	S2BVE
Calcium	2950	mg/kg	1.0			Yes	S2BVE
Chromium	12.5	mg/kg	1.0			Yes	S2BVE
Cobalt	7.0	mg/kg	1.0			Yes	S2BVE
Copper	207	mg/kg	10.0	D		Yes	S2BVE
Iron	12700	mg/kg	1.0			Yes	S2BVE
Lead	169	mg/kg	10.0	DE	J	Yes	S2BVE
Magnesium	2220	mg/kg	1.0			Yes	S2BVE
Manganese	535	mg/kg	20.0	D	J	Yes	S2BVE
Nickel	21.4	mg/kg	1.0			Yes	S2BVE
Potassium	1710	mg/kg	1.0			Yes	S2BVE
Selenium	3.4	mg/kg	1.0	U	U	Yes	S2BVE
Silver	0.98	mg/kg	1.0	UN	UJ	Yes	S2BVE
Sodium	46.9	mg/kg	1.0	J	J	Yes	S2BVE
Thallium	2.4	mg/kg	1.0	U	U	Yes	S2BVE
Vanadium	19.5	mg/kg	1.0			Yes	S2BVE
Zinc	741	mg/kg	10.0	D	J	Yes	S2BVE

Case No	40949	Contract	EPW09044	SDG No:	ME52ZS	Lab Code:	STLV
Sample Number	ME5309	Method	CN	Matrix:	Soil	MA Number:	DEFAULT
Sample Location.	CS-6	pH.		Sample Date:	01122011	Sample Time:	08.35 00
% Moisture				% Solids :	63.2		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Cyanide	0.78	mg/kg	1.0		J+	Yes	S2BVE

Sample No.	40949	Contract.	EPW09044	SDG No	ME52Z5	Lab Code.	STLV
Sample Number.	MB5309	Method	Hg	Matrix:	Soil	MA Number.	DEFAULT
Sample Location.	CS-6	pH:		Sample Date:	01122011	Sample Time	08 35 00
% Moisture				% Solids	63.2		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Mercury	0.034	mg/kg	1.0	J	J-	Yes	S2BVE

Case No.	40949	Contract.	EPW09044	SDG No:	ME52Z5	Lab Code	STLV
Sample Number.	ME5309	Method.	ICP_AES	Matrix:	Soil	MA Number:	DEFAULT
Sample Location	CS-6	pH.		Sample Date	01122011	Sample Time.	08:35:00
% Moisture .				% Solids .	63.2		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Aluminum	8730	mg/kg	1.0			Yes	S2BVE
Antimony	7.7	mg/kg	1.0	UN	UJ	Yes	S2BVE
Arsenic	6.6	mg/kg	1.0			Yes	S2BVE
Barium	258	mg/kg	1.0			Yes	S2BVE
Beryllium	3.0	mg/kg	1.0			Yes	S2BVE
Cadmium	3.7	mg/kg	1.0			Yes	S2BVE
Calcium	2870	mg/kg	1.0			Yes	S2BVE
Chromium	17.3	mg/kg	1.0			Yes	S2BVE
Cobalt	11.4	mg/kg	1.0			Yes	S2BVE
Copper	419	mg/kg	10.0	D		Yes	S2BVE
Iron	18800	mg/kg	1.0			Yes	S2BVE
Lead	451	mg/kg	20.0	DE	J	Yes	S2BVE
Magnesium	2450	mg/kg	1.0			Yes	S2BVE
Manganese	737	mg/kg	20.0	D	J	Yes	S2BVE
Nickel	39.0	mg/kg	1.0			Yes	S2BVE
Potassium	2190	mg/kg	1.0			Yes	S2BVE
Selenium	4.5	mg/kg	1.0	U	U	Yes	S2BVE
Silver	1.3	mg/kg	1.0	UN	UJ	Yes	S2BVE
Sodium	235	mg/kg	1.0	J	J	Yes	S2BVE
Thallium	3.2	mg/kg	1.0	U	U	Yes	S2BVE
Vanadium	21.5	mg/kg	1.0			Yes	S2BVE
Zinc	2670	mg/kg	20.0	D	J	Yes	S2BVE

No.	40949	Contract:	EPW09044	SDG No:	ME52Z5	Lab Code.	STLV
Sample Number	ME5310	Method	ICP_AES	Matrix:	Soil	MA Number	DEFAULT
Sample Location	CS-7	pH:		Sample Date.	01122011	Sample Time	09:15:00
% Moisture				% Solids .	76.9		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Aluminum	8250	mg/kg	1.0			Yes	S2BVE
Antimony	14.5	mg/kg	1.0	N	J	Yes	S2BVE
Arsenic	23.8	mg/kg	1.0			Yes	S2BVE
Barium	292	mg/kg	1.0			Yes	S2BVE
Beryllium	11.5	mg/kg	1.0			Yes	S2BVE
Cadmium	12.9	mg/kg	1.0			Yes	S2BVE
Calcium	7630	mg/kg	1.0			Yes	S2BVE
Chromium	27.4	mg/kg	1.0			Yes	S2BVE
Cobalt	26.5	mg/kg	1.0			Yes	S2BVE
Copper	4880	mg/kg	100.0	D		Yes	S2BVE
Iron	34300	mg/kg	100.0	D		Yes	S2BVE
Lead	2770	mg/kg	100.0	D E	J	Yes	S2BVE
Magnesium	2990	mg/kg	1.0			Yes	S2BVE
Manganese	824	mg/kg	100.0	D	J	Yes	S2BVE
Nickel	648	mg/kg	100.0	D		Yes	S2BVE
Potassium	1380	mg/kg	1.0			Yes	S2BVE
Selenium	0.57	mg/kg	1.0	J	J	Yes	S2BVE
Silver	7.0	mg/kg	1.0	N	J	Yes	S2BVE
Sodium	1430	mg/kg	1.0			Yes	S2BVE
Thallium	2.6	mg/kg	1.0	U	U	Yes	S2BVE
Vanadium	19.5	mg/kg	1.0			Yes	S2BVE
Zinc	8420	mg/kg	100.0	D	J	Yes	S2BVE

Case No	40949	Contract	EPW09044	SDG No:	ME52Z5	Lab Code:	STLV
Sample Number	ME5310	Method.	CN	Matrix	Soil	MA Number	DEFAULT
Sample Location:	CS-7	pH:		Sample Date.	01122011	Sample Time.	09.15:00
% Moisture				% Solids :	76.9		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Cyanide	0.78	mg/kg	1.0		J+	Yes	S2BVE

Job No:	40949	Contract:	EPW09044	SDG No	ME52Z5	Lab Code.	STLV
Sample Number:	ME5310	Method	Hg	Matrix	Soil	MA Number	DEFAULT
Sample Location	CS-7	pH		Sample Date	01122011	Sample Time	09.15 00
% Moisture				% Solids	76.9		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Mercury	0.096	mg/kg	1.0	J	J	Yes	S2BVE

Case No.	40949	Contract	EPW09044	SDG No	ME52Z5	Lab Code	STLV
Sample Number	ME5311	Method:	Hg	Matrix	Soil	MA Number	DEFAULT
Sample Location.	CS-8	pH		Sample Date:	01122011	Sample Time.	09.20.00
% Moisture				% Solids	38.6		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Mercury	0.11	mg/kg	1.0	J	J-	Yes	S2BVE

Sample No	40949	Contract.	EPW09044	SDG No.	ME52Z5	Lab Code	STLV
Sample Number:	ME5311	Method:	ICP_AES	Matrix.	Soil	MA Number	DEFAULT
Sample Location	CS-8	pH		Sample Date:	01122011	Sample Time	09 20.00
% Moisture				% Solids .	38.6		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Aluminum	6540	mg/kg	1.0			Yes	S2BVE
Antimony	3.4	mg/kg	1.0	J N	J	Yes	S2BVE
Arsenic	11.6	mg/kg	1.0			Yes	S2BVE
Barium	311	mg/kg	1.0			Yes	S2BVE
Beryllium	2.2	mg/kg	1.0	-		Yes	S2BVE
Cadmium	31.2	mg/kg	1.0			Yes	S2BVE
Calcium	7330	mg/kg	1.0			Yes	S2BVE
Chromium	14.9	mg/kg	1.0			Yes	S2BVE
Cobalt	10.7	mg/kg	1.0			Yes	S2BVE
Copper	2540	mg/kg	100.0	D		Yes	S2BVE
Iron	14000	mg/kg	100.0	D		Yes	S2BVE
Lead	1570	mg/kg	100.0	D E	J	Yes	S2BVE
Magnesium	2400	mg/kg	1.0			Yes	S2BVE
Manganese	1010	mg/kg	100.0	D	J	Yes	S2BVE
Nickel	1170	mg/kg	100.0	D		Yes	S2BVE
Potassium	1520	mg/kg	1.0			Yes	S2BVE
Selenium	7.2	mg/kg	1.0	U	U	Yes	S2BVE
Silver	1.9	mg/kg	1.0	J N	J	Yes	S2BVE
Sodium	124	mg/kg	1.0	J	J	Yes	S2BVE
Thallium	5.1	mg/kg	1.0	U	U	Yes	S2BVE
Vanadium	18.0	mg/kg	1.0			Yes	S2BVE
Zinc	3040	mg/kg	100.0	D	J	Yes	S2BVE

Case No:	40949	Contract:	EPW09044	SDG No	ME52ZS	Lab Code:	STLV
Sample Number:	ME5311	Method:	CN	Matrix	Soil	MA Number:	DEFAULT
Sample Location:	CS-8	pH:		Sample Date:	01122011	Sample Time:	09:20:00
% Moisture :				% Solids .	38.6		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Cyanide	1.7	mg/kg	1.0		J+	Yes	S2BVE

Job No	40949	Contract	EPW09044	SDG No	ME52Z5	Lab Code.	STLV
Sample Number	ME5312	Method	CN	Matrix	Soil	MA Number	DEFAULT
Sample Location	CS-9	pH:		Sample Date	01122011	Sample Time	12.35.00
% Moisture				% Solids	64.7		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Cyanide	0.90	mg/kg	1.0		J+	Yes	S2BVE

Case No.	40949	Contract	EPW09044	SDG No:	ME52Z5	Lab Code.	STLV
Sample Number	ME5312	Method	ICP_AES	Matrix:	Soil	MA Number.	DEFAULT
Sample Location:	CS-9	pH:		Sample Date.	01122011	Sample Time	12.35.00
% Moisture				% Solids .	64.7		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Aluminum	8650	mg/kg	1.0			Yes	S2BVE
Antimony	30.0	mg/kg	1.0	N	J	Yes	S2BVE
Arsenic	36.5	mg/kg	1.0			Yes	S2BVE
Barium	710	mg/kg	1.0			Yes	S2BVE
Beryllium	10.4	mg/kg	1.0			Yes	S2BVE
Cadmium	133	mg/kg	10.0	D		Yes	S2BVE
Calcium	9810	mg/kg	1.0			Yes	S2BVE
Chromium	42.3	mg/kg	10.0	D		Yes	S2BVE
Cobalt	29.2	mg/kg	1.0			Yes	S2BVE
Copper	7720	mg/kg	100.0	D		Yes	S2BVE
Iron	45200	mg/kg	10.0	D		Yes	S2BVE
Lead	8500	mg/kg	1000.0	D E	J	Yes	S2BVE
Magnesium	3110	mg/kg	1.0			Yes	S2BVE
Manganese	987	mg/kg	100.0	D	J	Yes	S2BVE
Nickel	644	mg/kg	100.0	D		Yes	S2BVE
Potassium	1450	mg/kg	1.0			Yes	S2BVE
Selenium	1.6	mg/kg	1.0	J	J	Yes	S2BVE
Silver	11.6	mg/kg	1.0	N	J	Yes	S2BVE
Sodium	960	mg/kg	1.0			Yes	S2BVE
Thallium	3.1	mg/kg	1.0	U	U	Yes	S2BVE
Vanadium	21.2	mg/kg	1.0			Yes	S2BVE
Zinc	21700	mg/kg	100.0	D	J	Yes	S2BVE

Sample No.	40949	Contract.	EPW09044	SDG No.	ME52Z5	Lab Code	STLV
Sample Number:	ME5312	Method	Hg	Matrix:	Soil	MA Number.	DEFAULT
Sample Location.	CS-9	pH:		Sample Date	01122011	Sample Time	12:35 00
% Moisture .				% Solids .	64.7		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Mercury	0.72	mg/kg	1.0			Yes	S2BVE

Case No.	40949	Contract.	EPW09044	SDG No.	ME52Z5	Lab Code.	STLV
Sample Number:	ME5313	Method:	ICP_AES	Matrix.	Soil	MA Number:	DEFAULT
Sample Location:	CS-10	pH:		Sample Date:	01122011	Sample Time:	11.50 00
% Moisture				% Solids	75.9		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Aluminum	8930	mg/kg	1.0			Yes	S2BVE
Antimony	6.4	mg/kg	1.0	UN	UJ	Yes	S2BVE
Arsenic	5.6	mg/kg	1.0			Yes	S2BVE
Barium	128	mg/kg	1.0			Yes	S2BVE
Beryllium	0.50	mg/kg	1.0	J	J	Yes	S2BVE
Cadmium	0.72	mg/kg	1.0			Yes	S2BVE
Calcium	3790	mg/kg	1.0			Yes	S2BVE
Chromium	12.3	mg/kg	1.0			Yes	S2BVE
Cobalt	7.0	mg/kg	1.0			Yes	S2BVE
Copper	28.1	mg/kg	1.0			Yes	S2BVE
Iron	14300	mg/kg	1.0			Yes	S2BVE
Lead	27.4	mg/kg	1.0	E	J	Yes	S2BVE
Magnesium	2910	mg/kg	1.0			Yes	S2BVE
Manganese	509	mg/kg	100.0	D	J	Yes	S2BVE
Nickel	16.4	mg/kg	1.0			Yes	S2BVE
Potassium	1810	mg/kg	1.0			Yes	S2BVE
Selenium	3.7	mg/kg	1.0	U	U	Yes	S2BVE
Silver	1.1	mg/kg	1.0	UN	UJ	Yes	S2BVE
Sodium	61.1	mg/kg	1.0	J	J	Yes	S2BVE
Thallium	2.7	mg/kg	1.0	U	U	Yes	S2BVE
Vanadium	21.0	mg/kg	1.0			Yes	S2BVE
Zinc	89.1	mg/kg	1.0		J	Yes	S2BVE

Sample No.	40949	Contract	EPW09044	SDG No.	ME52Z5	Lab Code	STLV
Sample Number:	ME5313	Method	CN	Matrix:	Soil	MA Number.	DEFAULT
Sample Location:	CS-10	pH.		Sample Date:	01122011	Sample Time.	11:50:00
% Moisture :				% Solids :	75.9		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Cyanide	0.67	mg/kg	1.0		J+	Yes	S2BVE

Case No	40949	Contract:	EPW09044	SDG No:	ME52Z5	Lab Code	STLV
Sample Number	ME5313	Method:	Hg	Matrix.	Soil	MA Number:	DEFAULT
Sample Location:	CS-10	pH:		Sample Date.	01/12/2011	Sample Time.	11:50:00
% Moisture				% Solids	75.9		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Mercury	0.021	mg/kg	1.0	J	J-	Yes	S2BVE

No.	40949	Contract	EPW09044	SDG No:	ME52Z5	Lab Code.	STLV
Sample Number:	ME5318	Method.	ICP_AES	Matrix	Soil	MA Number	DEFAULT
Sample Location:	CS-6-FD	pH.		Sample Date	01122011	Sample Time	08 35.00
% Moisture .				% Solids .	63 8		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Aluminum	9200	mg/kg	1.0			Yes	S2BVE
Antimony	7.6	mg/kg	1.0	UN	UJ	Yes	S2BVE
Arsenic	7.2	mg/kg	1.0			Yes	S2BVE
Barium	253	mg/kg	1.0			Yes	S2BVE
Beryllium	3.3	mg/kg	1.0			Yes	S2BVE
Cadmium	4.1	mg/kg	1.0			Yes	S2BVE
Calcium	2850	mg/kg	1.0			Yes	S2BVE
Chromium	19.1	mg/kg	1.0			Yes	S2BVE
Cobalt	10.3	mg/kg	1.0			Yes	S2BVE
Copper	508	mg/kg	10.0	D		Yes	S2BVE
Iron	20200	mg/kg	1.0			Yes	S2BVE
Lead	534	mg/kg	100.0	DE	J	Yes	S2BVE
Magnesium	2510	mg/kg	1.0			Yes	S2BVE
Manganese	624	mg/kg	100.0	D	J	Yes	S2BVE
Nickel	41.9	mg/kg	1.0			Yes	S2BVE
Potassium	2400	mg/kg	1.0			Yes	S2BVE
Selenium	4.4	mg/kg	1.0	U	U	Yes	S2BVE
Silver	1.3	mg/kg	1.0	UN	UJ	Yes	S2BVE
Sodium	213	mg/kg	1.0	J	J	Yes	S2BVE
Thallium	3.2	mg/kg	1.0	U	U	Yes	S2BVE
Vanadium	22.6	mg/kg	1.0			Yes	S2BVE
Zinc	3150	mg/kg	100.0	D	J	Yes	S2BVE

Case No.	40949	Contract	EPW09044	SDG No.	ME52ZS	Lab Code	STLV
Sample Number.	ME5318	Method:	Hg	Matrix	Soil	MA Number.	DEFAULT
Sample Location:	CS-6-FD	pH:		Sample Date	01122011	Sample Time:	08.35 00
% Moisture				% Solids .	63.8		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Mercury	0.033	mg/kg	1.0	J	J-	Yes	S2BVE

Sample No	40949	Contract	EPW09044	SDG No:	ME52Z5	Lab Code	STLV
Sample Number:	ME5318	Method:	CN	Matrix:	Soil	MA Number.	DEFAULT
Sample Location	CS-6-FD	pH.		Sample Date	01122011	Sample Time	08 35.00
% Moisture .				% Solids .	63.8		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Cyanide	0.93	mg/kg	1.0		J+	Yes	S2BVE

Case No:	40949	Contract.	EPW09044	SDG No:	ME52Z5	Lab Code.	STLV
Sample Number.	ME5318A	Method	ICP_AES	Matrix:	Soil	MA Number:	DEFAULT
Sample Location		pH		Sample Date:	01122011	Sample Time.	08:35 00
% Moisture				% Solids :	63.8		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Antimony	14.0	mg/kg	1.0		J-	Yes	
Silver	2.4	mg/kg	1.0		J-	Yes	

No.	40949	Contract.	EPW09044	SDG No:	ME52Z5	Lab Code	STLV
Sample Number.	ME5318D	Method	ICP_AES	Matrix.	Soil	MA Number	DEFAULT
Sample Location.		pH:		Sample Date:	01122011	Sample Time	08 35.00
% Moisture :				% Solids	63.0		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Aluminum	8840	mg/kg	1.0		J-	Yes	S2BVE
Antimony	7.6	mg/kg	1.0	U	R	Yes	S2BVE
Arsenic	7.0	mg/kg	1.0		J-	Yes	S2BVE
Barium	236	mg/kg	1.0		J-	Yes	S2BVE
Beryllium	3.0	mg/kg	1.0		J-	Yes	S2BVE
Cadmium	3.9	mg/kg	1.0		J-	Yes	S2BVE
Calcium	2690	mg/kg	1.0		J-	Yes	S2BVE
Chromium	17.9	mg/kg	1.0		J-	Yes	S2BVE
Cobalt	8.9	mg/kg	1.0		J-	Yes	S2BVE
Copper	474	mg/kg	10.0		J-	Yes	S2BVE
Iron	18800	mg/kg	1.0		J-	Yes	S2BVE
Lead	470	mg/kg	100.0		J-	Yes	S2BVE
Magnesium	2370	mg/kg	1.0		J-	Yes	S2BVE
Manganese	539	mg/kg	100.0		J-	Yes	S2BVE
Nickel	38.7	mg/kg	1.0		J-	Yes	S2BVE
Potassium	2330	mg/kg	1.0		J-	Yes	S2BVE
Selenium	4.4	mg/kg	1.0	U	R	Yes	S2BVE
Silver	1.3	mg/kg	1.0	U	R	Yes	S2BVE
Sodium	196	mg/kg	1.0	J	J-	Yes	S2BVE
Thallium	3.1	mg/kg	1.0	U	R	Yes	S2BVE
Vanadium	21.6	mg/kg	1.0		J-	Yes	S2BVE
Zinc	2860	mg/kg	100.0		J-	Yes	S2BVE

Case No:	40949	Contract	EPW09044	SDG No:	ME52Z5	Lab Code.	STLV
Sample Number:	ME5318D	Method	Hg	Matrix.	Soil	MA Number	DEFAULT
Sample Location		pH:		Sample Date:	01122011	Sample Time:	08.35.00
% Moisture :				% Solids :	63.0		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Mercury	0.033	mg/kg	1.0	J	J-	Yes	S2BVE

Case No.	40949	Contract.	EPW09044	SDG No.	ME52Z5	Lab Code.	STLV
Sample Number	ME5318D	Method	CN	Matrix.	Soil	MA Number.	DEFAULT
Sample Location		pH		Sample Date:	01122011	Sample Time.	08 35 00
% Moisture				% Solids:	63.0		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Cyanide	0.92	mg/kg	1.0		J	Yes	S2BVE

Case No:	40949	Contract:	EPW09044	SDG No.	ME52Z5	Lab Code.	STLV
Sample Number:	ME5318L	Method	ICP_AES	Matrix:	Soil	MA Number:	DEFAULT
Sample Location		pH		Sample Date	01122011	Sample Time.	08.35 00
% Moisture				% Solids .	63.8		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Aluminum	9930	mg/kg	5.0		J-	Yes	
Antimony	37.9	mg/kg	5.0	U	R	Yes	
Arsenic	6.6	mg/kg	5.0		J-	Yes	
Barium	266	mg/kg	5.0		J-	Yes	
Beryllium	3.4	mg/kg	5.0		J-	Yes	
Cadmium	4.4	mg/kg	5.0		J-	Yes	
Calcium	3000	mg/kg	5.0	J	J-	Yes	
Chromium	20.4	mg/kg	5.0		J-	Yes	
Cobalt	11.0	mg/kg	5.0	J	J-	Yes	
Copper	495	mg/kg	50.0		J-	Yes	
Iron	21900	mg/kg	5.0		J-	Yes	
Lead	476	mg/kg	500.0	J E	J-	Yes	
Magnesium	2740	mg/kg	5.0	J	J-	Yes	
Manganese	637	mg/kg	500.0	J	J-	Yes	
Nickel	45.2	mg/kg	5.0		J-	Yes	
Potassium	2560	mg/kg	5.0	J	J-	Yes	
Selenium	22.1	mg/kg	5.0	U	R	Yes	
Silver	6.3	mg/kg	5.0	U	R	Yes	
Sodium	203	mg/kg	5.0	J	J-	Yes	
Thallium	15.8	mg/kg	5.0	U	R	Yes	
Vanadium	23.6	mg/kg	5.0	J	J-	Yes	
Zinc	3210	mg/kg	500.0	J	J-	Yes	

Ac No.	40949	Contract.	EPW09044	SDG No	ME52Z5	Lab Code:	STLV
Sample Number	ME5318S	Method	ICP_AES	Matrix	Soil	MA Number	DEFAULT
Sample Location.		pH:		Sample Date	01122011	Sample Time:	08 35 00
% Moisture				% Solids .	63 8		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Antimony	8.4	mg/kg	1.0	N	J-	Yes	S2BVE
Arsenic	15.0	mg/kg	1.0		J-	Yes	S2BVE
Barium	646	mg/kg	1.0		J-	Yes	S2BVE
Beryllium	13.5	mg/kg	1.0		J-	Yes	S2BVE
Cadmium	14.2	mg/kg	1.0		J-	Yes	S2BVE
Chromium	64.8	mg/kg	10.0		J-	Yes	S2BVE
Cobalt	119	mg/kg	1 0		J-	Yes	S2BVE
Copper	527	mg/kg	10.0		J-	Yes	S2BVE
Lead	480	mg/kg	100.0		J-	Yes	S2BVE
Manganese	651	mg/kg	100.0		J-	Yes	S2BVE
Nickel	148	mg/kg	1.0		J-	Yes	S2BVE
Selenium	10.7	mg/kg	1.0		J-	Yes	S2BVE
Silver	6.2	mg/kg	1.0	N	J-	Yes	S2BVE
Thallium	10.6	mg/kg	1.0		J-	Yes	S2BVE
Vanadium	123	mg/kg	1.0		J-	Yes	S2BVE
Zinc	2910	mg/kg	100.0		J-	Yes	S2BVE

Case No:	40949	Contract.	EPW09044	SDG No:	ME52Z5	Lab Code.	STLV
Sample Number:	ME5318S	Method.	Hg	Matrix:	Soil	MA Number:	DEFAULT
Sample Location:		pH:		Sample Date:	01122011	Sample Time	08:35 00
% Moisture .				% Solids	63.8		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Mercury	1.5	mg/kg	1.0		J-	Yes	S2BVE

Case No	40949	Contract:	EPW09044	SDG No.	ME52Z5	Lab Code	STLV
Sample Number:	ME5318S	Method	CN	Matrix	Soil	MA Number:	DEFAULT
Sample Location		pH		Sample Date:	01122011	Sample Time:	08 35.00
% Moisture :				% Solids	63.8		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Cyanide	9.1	mg/kg	1.0		J	Yes	S2BVE

No.	40949	Contract.	EPW09044	SDG No:	ME52Z5	Lab Code	STLV
Sample Number	PBS	Method.	CN	Matrix:	Soil	MA Number	DEFAULT
Sample Location		pH.		Sample Date:		Sample Time	
% Moisture				% Solids			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Cyanide	0.50	mg/kg	1.0	J	UJ	Yes	
Cyanide	0.50	mg/kg	1 0	J	UJ	Yes	

Case No:	40949	Contract.	EPW09044	SDG No:	ME52Z5	Lab Code:	STLV
Sample Number	PBS	Method	Hg	Matrix.	Soil	MA Number	DEFAULT
Sample Location.		pH.		Sample Date		Sample Time:	
% Moisture .				% Solids			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Mercury	0.10	mg/kg	1.0	U	U	Yes	

No: 40949	Contract. EPW09044	SDG No ME52Z5	Lab Code	STLV
Sample Number: PBS	Method. ICP_AES	Matrix. Soil	MA Number.	DEFAULT
Sample Location	pH:	Sample Date	Sample Time.	
% Moisture :		% Solids .		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Aluminum	20.0	mg/kg	1.0	U	U	Yes	
Antimony	6.0	mg/kg	1.0	U	U	Yes	
Arsenic	-0.28	mg/kg	1.0	J	J	Yes	
Barium	20.0	mg/kg	1.0	U	U	Yes	
Beryllium	0.50	mg/kg	1.0	U	U	Yes	
Cadmium	0.50	mg/kg	1.0	U	U	Yes	
Calcium	500	mg/kg	1.0	U	U	Yes	
Chromium	0.12	mg/kg	1.0	J	J	Yes	
Cobalt	5.0	mg/kg	1.0	U	U	Yes	
Copper	-0.16	mg/kg	1.0	J	J	Yes	
Iron	10.0	mg/kg	1.0	U	U	Yes	
Lead	1.0	mg/kg	1.0	U	U	Yes	
Magnesium	500	mg/kg	1.0	U	U	Yes	
Manganese	1.5	mg/kg	1.0	U	U	Yes	
Nickel	4.0	mg/kg	1.0	U	U	Yes	
Potassium	500	mg/kg	1.0	U	U	Yes	
Selenium	3.5	mg/kg	1.0	U	U	Yes	
Silver	1.0	mg/kg	1.0	U	U	Yes	
Sodium	500	mg/kg	1.0	U	U	Yes	
Thallium	2.5	mg/kg	1.0	U	U	Yes	
Vanadium	5.0	mg/kg	1.0	U	U	Yes	
Zinc	6.0	mg/kg	1.0	U	U	Yes	



SEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No:	40949
DAS No:	
SDG No:	ME52Z1 ME52Z5
For Lab Use Only JC 111111	
Lab Contract No:	
Unit Price:	
Transfer To:	
Lab Contract No:	
Unit Price:	

Date Shipped: 1/13/2011
Carrier Name: FedEx
Airbill:
Shipped to: TestAmerica Laboratories, Inc
30 Community Drive, Suite 11
South Burlington VT 05403
(802) 660-1990

Chain of Custody Record

Relinquished By

(Date / Time)

Sampler Signature:

Received By

(Date / Time)

1

Ryan M. Lunt 01/13/2011

1/14/11 1130

2

3

4

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME52Z1	Ground Water/ Kirk Mammoliti	L/G	CN (7), ICP/MS (7)	5C-030484 (HNO3), 5C-030490 (NaOH) (2)	GW-1	S: 1/12/2011 9:15	E52Z1	
ME52Z2	Ground Water/ Kirk Mammoliti	L/G	CN (7), ICP/MS (7)	5C-030491 (HNO3), 5C-030496 (NaOH) (2)	GW-2	S: 1/12/2011 11:15	E52Z2	
ME52Z5	Surface Soil/ Kirk Mammoliti	L/C	ICP-AES (7)	5C-030468 (Not preserved) (1)	RS-1	S: 1/11/2011 15:48		
ME52Z7	Surface Soil/ Kirk Mammoliti	L/C	ICP-AES (7)	5C-030469 (Not preserved) (1)	RS-3	S: 1/11/2011 17:12		
ME52Z8	Ground Water/ Ryan M. Lunt	L/G	CN (7), ICP/MS (7)	5C-030470 (HNO3), 5C-030476 (NaOH) (2)	RW-1	S: 1/11/2011 15:57	E52Z8	
ME5300	Ground Water/ Ryan M. Lunt	L/G	CN (7), ICP/MS (7)	5C-030477 (HNO3), 5C-030483 (NaOH) (2)	RW-3	S: 1/11/2011 17:35	E5300	
ME5302	Ground Water/ Ryan M. Lunt	L/G	CN (7), ICP/MS (7)	5C-030537 (HNO3), 5C-030538 (HNO3), 5C-030554 (NaOH), 5C-030555 (NaOH) (4)	CW-2	S: 1/12/2011 11:07	E5302	
ME5303	Surface Water/ Ryan M. Lunt	L/G	CN (7), ICP/MS (7)	5C-030556 (HNO3), 5C-030557 (NaOH) (2)	CW-3	S: 1/12/2011 9:50		
ME5304	Surface Water/ Ryan M. Lunt	L/G	CN (7), ICP/MS (7)	5C-030558 (HNO3), 5C-030559 (NaOH) (2)	CW-4	S: 1/12/2011 10:11		
ME5305	Surface Water/ Ryan M. Lunt	L/G	CN (7), ICP/MS (7)	5C-030560 (HNO3), 5C-030561 (NaOH) (2)	CW-5	S: 1/12/2011 10:35		

Shipment for Case Complete? <i>Y</i>	Sample(s) to be used for laboratory QC: <i>ME5318</i>	Additional Sampler Signature(s): <i>K. Mammoliti</i>	Cooler Temperature Upon Receipt: <i>0.2°C</i>	Chain of Custody Seal Number: <i>11047</i>
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/>	Shipment Iced? <input checked="" type="checkbox"/>

CN = Cyanide, ICP-AES = CLP TAL Total Metals/Hg/Cyanide (ICP-AES, ICP/MS = CLP TAL Total Metals/Hg ICP/MS)

TR Number: 5-241334765-011311-0003

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA 20151-3819 Phone 703/818-4200; Fax 703/818-4602

LABORATORY COPY



USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 40949

DAS No:

SDG No:

ME52ET ME52Z5 L

Date Shipped:	1/13/2011	Chain of Custody Record		Sampler Signature:		For Lab Use Only	
Carrier Name:	FedEx	Relinquished By	(Date / Time)	Received By	(Date / Time)	Lab Contract No:	
Airbill:		1			1/14/11 1130	Unit Price:	
Shipped to:	TestAmerica Laboratories, Inc 30 Community Drive, Suite 11 South Burlington VT 05403 (802) 660-1990	2				Transfer To:	
		3				Lab Contract No:	
		4				Unit Price:	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME5306	Surface Soil/ Kirk Mammoliti	L/C	ICP-AES (7)	5C-030528 (Not preserved) (1)	OS-1	S: 1/11/2011 15:07		
ME5307	Surface Soil/ Kirk Mammoliti	L/C	ICP-AES (7)	5C-030529 (Not preserved) (1)	OS-2	S: 1/11/2011 15:10		
ME5308	Surface Soil/ Ryan M. Lunt	L/C	ICP-AES (7)	5C-030530 (Not preserved) (1)	CS-5	S: 1/12/2011 8:40		
ME5309	Surface Soil/ Ryan M. Lunt	L/C	ICP-AES (7)	5C-030531 (Not preserved) (1)	CS-6	S: 1/12/2011 8:35		
ME5310	Surface Soil/ Ryan M. Lunt	L/C	ICP-AES (7)	5C-030533 (Not preserved) (1)	CS-7	S: 1/12/2011 9:15		
ME5311	Surface Soil/ Ryan M. Lunt	L/C	ICP-AES (7)	5C-030534 (Not preserved) (1)	CS-8	S: 1/12/2011 9:20		
ME5312	Surface Soil/ Ryan M. Lunt	L/C	ICP-AES (7)	5C-030535 (Not preserved) (1)	CS-9	S: 1/12/2011 12:35		
ME5313	Surface Soil/ Ryan M. Lunt	L/C	ICP-AES (7)	5C-030536 (Not preserved) (1)	CS-10	S: 1/12/2011 11:50		
ME5314	Ground Water/ Kirk Mammoliti	L/G	CN (7), ICP/MS (7)	5C-030497 (HNO3), 5C-030503 (NaOH) (2)	GW-2-FD	S: 1/12/2011 11:15	E5314	
ME5315	Ground Water/ Ryan M. Lunt	L/G	CN (7), ICP/MS (7)	5C-030511 (HNO3), 5C-030517 (NaOH) (2)	GW-FB	S: 1/11/2011 18:05	E5315	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 0,2°C	Chain of Custody Seal Number: 111047
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/>	Shipment Iced? <input checked="" type="checkbox"/>
CN = Cyanide, ICP-AES = CLP TAL Total Metals/Hg/Cyanide (ICP-AES, ICP/MS = CLP TAL Total Metals/Hg ICP/MS)				

TR Number: 5-241334765-011311-0003

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sampling Management Office, 15000 Conference Center Dr , Chantilly, VA 20151-3819 Ph 703/818-4200, Fax 703/818-4602

LABORATORY COPY

F2V5.1.047

2 of 3



SEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No:	40949
DAS No:	
SDG No:	ME522T ME522S
For Lab Use Only ✓ 1/15/11	
Lab Contract No:	
Unit Price:	
Transfer To:	
Lab Contract No:	
Unit Price:	

Date Shipped: 1/13/2011
 Carrier Name: FedEx
 Airbill:
 Shipped to: TestAmerica Laboratories, Inc
 30 Community Drive, Suite 11
 South Burlington VT 05403
 (802) 660-1990

Chain of Custody Record

Sampler Signature:

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			1/14/11 1130
2			
3			
4			

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME5316	Ground Water/ Ryan M. Lunt	L/G	CN (7), ICP/MS (7)	5C-030518 (NaOH), 5C-030524 (HNO3) (2)	GW-Rinsate	S. 1/12/2011 16:10	E5316	
ME5318	Surface Soil/ Ryan M. Lunt	L/C	ICP-AES (7)	5C-030532 (Not preserved) (1)	CS-6-FD	S. 1/12/2011 8:35		- SDG Final Sample
ME5320	Ground Water/ Kirk Mammoliti	L/G	CN (7), ICP/MS (7)	5C-030504 (HNO3), 5C-030509 (NaOH) (2)	GW-3	S. 1/12/2011 12:50	E5320	

Page

11

of

309

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	0.2°C	161047

CN = Cyanide, ICP-AES = CLP TAL Total Metals/Hg/Cyanide (ICP-AES, ICP/MS = CLP TAL Total Metals/Hg ICP/MS

TR Number: 5-241334765-011311-0003

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA 20151-3819 Phone 703/818-4200, Fax 703/818-4602

LABORATORY COPY

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SDG Narrative

TestAmerica Laboratories, Inc.

Date Submitted: January 20th, 2011

Contract: EP-W-09-044; Case: 40949; SDG: ME52Z5

Enclosed are analytical results for samples that were received by TestAmerica Burlington on January 14th, 2011. Laboratory identification numbers were assigned, and designated as follows:

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>Sample Matrix</u>
Received: 1/14/11 Job No: 200-3327			
200-3327-1	ME52Z5	01/11/11	SOIL
200-3327-2	ME52Z7	01/11/11	SOIL
200-3327-3	ME5306	01/11/11	SOIL
200-3327-4	ME5307	01/11/11	SOIL
200-3327-5	ME5308	01/12/11	SOIL
200-3327-6	ME5309	01/12/11	SOIL
200-3327-7	ME5310	01/12/11	SOIL
200-3327-8	ME5311	01/12/11	SOIL
200-3327-9	ME5312	01/12/11	SOIL
200-3327-10	ME5313	01/12/11	SOIL
200-3327-11	ME5318	01/12/11	SOIL
200-3327-11DP	ME5318D	01/12/11	SOIL
200-3327-11MS	ME5318S	01/12/11	SOIL

The condition of the samples and the issues identified at the time of sample log-in are detailed in the Sample Handling section at the end of this submittal. The temperature of each shipping container was determined at the time of receipt using an infrared wavelength determinative method. A temperature blank was included in the shipments received on January 14th, 2011. The temperature of that shipment was 1.0 °C, 0.2 °C and 0.1°C. The sample volumes were logged into the laboratory for analysis and maintained in refrigerated storage at 4 degrees centigrade.

Metals by USEPA Method ISM01.2 (ICP/AES)

The target analytes under evaluation represent the full target analyte list.

Samples in this sample set were analyzed by the referenced method. Matrix spike and replicate analyses were performed on sample ME5318. There was a low recovery of antimony

(33 percent) and silver (49 percent) in the matrix spike analysis of sample ME5318. The recovery of antimony in the post digestion spike analysis was 92 percent, and that for silver was 95 percent. The replicate analysis that was performed on sample ME5318 did yield results with an acceptable (unqualified) correlation in the interanalysis comparison. Laboratory control samples were prepared and analyzed in association with the samples and there was an acceptable recovery of each analyte in those analyses. A serial dilution analysis was performed on the digestate of sample ME5318 and that analysis gave indication of a possible matrix interference specific to lead. A trace concentration of chromium, and negative offsets specific to arsenic and copper were identified in the analysis of the method blanks associated with the analytical work. The concentration level, and offsets, did meet the technical acceptance criteria for a compliant method blank analysis.

All instrument calibration, calibration check, and performance check criteria, as specified in the ISM01.2 Statement of Work, were met in the execution of the analytical work.

The following is an example calculation for deriving a result for a soil sample:

$$C_{(\text{mg/Kg})} = \frac{\mu\text{g}}{L_{\text{dig}}} * \frac{V_{\text{dig}}}{g_{\text{samp}}} * \frac{100}{\% \text{ solids}}$$

Where:

$\mu\text{g/L}_{\text{dig}}$ = Instrument result adjusted for dilution factors

V_{dig} = Final digestate volume in liters

g_{samp} = Sample weight in grams

Mercury by USEPA Method ISM01.2 (CVAA)

The samples in this sample set were analyzed by the referenced method. Matrix spike and replicate analysis were performed on sample ME5318. There was an acceptable recovery of mercury in the matrix spike analysis. The replicate analyses that were performed on sample ME5318 did yield results with an acceptable (unqualified) correlation in the interanalysis comparison. The analysis of the method blank associated with the analytical work was free of analyte contamination.

All instrument calibration, calibration check, and performance check criteria, as specified in the ISM01.2 Statement of Work, were met in the execution of the analytical work.

The following is an example calculation for deriving a result for a soil sample:

$$C_{(\mu\text{g}/\text{kg})} = \frac{\mu\text{g}}{L_{\text{dig}}} * \frac{V_{\text{dig}}}{g_{\text{samp}}} * \frac{100}{\% \text{ solids}}$$

Where:

$\mu\text{g}/\text{L}_{\text{dig}}$ = Instrument result adjusted for dilution factors

V_{dig} = Final digestate volume in liters

g_{samp} = Sample weight in grams

Cyanide by USEPA Method ISM01.2

The samples in this sample set were analyzed by the referenced method. Matrix spike and replicate analysis were performed on sample ME5318. There was an acceptable recovery of cyanide in the matrix spike analysis. The replicate analyses that were performed on sample ME5318 did yield results with an acceptable (unqualified) correlation in the interanalysis comparison. A trace concentration of cyanide was identified in the analysis of the method blanks associated with the analytical work. The concentration levels did meet the technical acceptance criteria for a compliant method blank analysis.

With the following exceptions all instrument calibration, calibration check, and performance check criteria, as specified in the ISM01.2 Statement of Work, were met in the execution of the analytical work.

The back calculation of cyanide in the second calibration point did yield values for cyanide that did not meet the 30 percent difference criterion. The percent differences were 39 percent and 41 percent.

The following is an example calculation for deriving a result for a soil sample:

$$C_{(\mu\text{g}/\text{kg})} = \frac{\mu\text{g}}{L_{\text{dig}}} * \frac{V_{\text{dig}}}{g_{\text{samp}}} * \frac{100}{\% \text{ solids}}$$

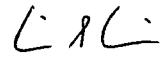
Where:

$\mu\text{g}/\text{L}_{\text{dig}}$ = Instrument result adjusted for dilution factors

V_{dig} = Final digestate volume in liters

g_{samp} = Sample weight in grams

I certify that this Sample Data Package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the electronic data deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.



William S. Cicero
Laboratory Director

1/20/11

Date

Enclosure

JAN 25 2011

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
SOW No.: ISM01.2

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME5225

EPA Sample No.	Lab Sample ID
ME5225	200-3327-1
ME5227	200-3327-2
ME5306	200-3327-3
ME5307	200-3327-4
ME5308	200-3327-5
ME5309	200-3327-6
ME5310	200-3327-7
ME5311	200-3327-8
ME5312	200-3327-9
ME5313	200-3327-10
ME5318	200-3327-11
ME5318D	200-3327-11
ME5318S	200-3327-11

Were ICP-AES and ICP-MS interelement corrections applied?

ICP-AES ICP-MS
(Yes/No) YES YES

Were ICP-AES and ICP-MS background corrections applied?

(Yes/No) YES YES

If yes, were raw data generated before application of background corrections?

(Yes/No) NO NO

The laboratory did not receive any instructions with this SDG to modify the SOW standard laboratory sample preparation procedures (e.g., subsampling). To aid in the determination of data usability with respect to project decisions, any modifications performed are described below.

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the electronic data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: LSL

Name: William Cicero

Date: 1/20/11

Title: Laboratory Director

USEPA - CLP
 1A-IN
 INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME52Z5

Lab Name: TESTAMERICA BURLINGTON
 Lab Code: STLV Case No.: 40949
 Matrix: SOIL
 % Solids: 75.0

Contract: EPW09044
 Mod. Ref. No.: SDG No.: ME52Z5
 Lab Sample Id: 200-3327-1
 Date Received: 01/14/2011

Concentration Units ($\mu\text{g/L}$, μg , or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9360			P
7440-36-0	Antimony	7.1	U	N	P
7440-38-2	Arsenic	7.7			P
7440-39-3	Barium	187			P
7440-41-7	Beryllium	0.71			P
7440-43-9	Cadmium	1.1			P
7440-70-2	Calcium	4640			P
7440-47-3	Chromium	14.0			P
7440-48-4	Cobalt	7.7			P
7440-50-8	Copper	70.2			P
7439-89-6	Iron	15100			P
7439-92-1	Lead	87.7	D E		P
7439-95-4	Magnesium	3150			P
7439-96-5	Manganese	547	D		P
7440-02-0	Nickel	19.7			P
7440-09-7	Potassium	2370			P
7782-49-2	Selenium	4.2	U		P
7440-22-4	Silver	1.2	U	N	P
7440-23-5	Sodium	92.6	J		P
7440-28-0	Thallium	3.0	U		P
7440-62-2	Vanadium	22.1			P
7440-66-6	Zinc	344		D	P

Color Before: BROWN Clarity Before: Texture: MED

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME52Z5

Lab Name: TESTAMERICA BURLINGTON Contract: EPW09044
Lab Code: STLV Case No.: 40949 Mod. Ref. No.: SDG No.: ME52Z5
Matrix: SOIL Lab Sample Id: 200-3327-1
% Solids: 75.0 Date Received: 01/14/2011

Concentration Units ($\mu\text{g/L}$, μg , or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.042	J		CV

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME52Z5

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 75.0

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-1
Date Received: 01/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	1.2			AS

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: Clarity After: Artifacts:
Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME52Z7

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 71.1

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-2
Date Received: 01/14/2011

Concentration Units ($\mu\text{g/L}$, μg , or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8300			P
7440-36-0	Antimony	6.6	U	N	P
7440-38-2	Arsenic	6.3			P
7440-39-3	Barium	139			P
7440-41-7	Beryllium	0.53	J		P
7440-43-9	Cadmium	2.0			P
7440-70-2	Calcium	3660			P
7440-47-3	Chromium	11.9			P
7440-48-4	Cobalt	6.0			P
7440-50-8	Copper	204		D	P
7439-89-6	Iron	12900			P
7439-92-1	Lead	171		D E	P
7439-95-4	Magnesium	2640			P
7439-96-5	Manganese	395		D	P
7440-02-0	Nickel	21.2			P
7440-09-7	Potassium	2160			P
7782-49-2	Selenium	3.9	U		P
7440-22-4	Silver	1.1	U	N	P
7440-23-5	Sodium	48.1	J		P
7440-28-0	Thallium	2.8	U		P
7440-62-2	Vanadium	20.5			P
7440-66-6	Zinc	305		D	P

Color Before: BROWN Clarity Before: Texture: MED

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME52Z7

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 71.1

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-2
Date Received: 01/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.022	J		CV

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME52Z7

Lab Name: TESTAMERICA BURLINGTON Contract: EPW09044
Lab Code: STLV Case No.: 40949 Mod. Ref. No.: SDG No.: ME52Z5
Matrix: SOIL Lab Sample Id: 200-3327-2
% Solids: 71.1 Date Received: 01/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.91			AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: Clarity After: Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5306

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 76.3

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-3
Date Received: 01/14/2011

Concentration Units ($\mu\text{g}/\text{L}$, μg , or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6980			P
7440-36-0	Antimony	6.2	U	N	P
7440-38-2	Arsenic	5.5			P
7440-39-3	Barium	149			P
7440-41-7	Beryllium	0.37	J		P
7440-43-9	Cadmium	0.92			P
7440-70-2	Calcium	2590			P
7440-47-3	Chromium	10.3			P
7440-48-4	Cobalt	6.2			P
7440-50-8	Copper	44.0			P
7439-89-6	Iron	10500			P
7439-92-1	Lead	37.2		D E	P
7439-95-4	Magnesium	2180			P
7439-96-5	Manganese	588		D	P
7440-02-0	Nickel	14.8			P
7440-09-7	Potassium	1970			P
7782-49-2	Selenium	3.6	U		P
7440-22-4	Silver	1.0	U	N	P
7440-23-5	Sodium	42.5	J		P
7440-28-0	Thallium	2.6	U		P
7440-62-2	Vanadium	17.7			P
7440-66-6	Zinc	94.3			P

Color Before: BROWN Clarity Before: Texture: MED

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5306

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 76.3

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-3
Date Received: 01/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.030	J		CV

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5306

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 76.3

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-3
Date Received: 01/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.80			AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: Clarity After: Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5307

Lab Name:	TESTAMERICA BURLINGTON	Contract:	EPW09044
Lab Code:	STLV	Case No.:	40949
Matrix:	SOIL	Mod. Ref. No.:	SDG No.:
% Solids:	75.6	Lab Sample Id:	200-3327-4
		Date Received:	01/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7490			P
7440-36-0	Antimony	6.5	U	N	P
7440-38-2	Arsenic	5.9			P
7440-39-3	Barium	183			P
7440-41-7	Beryllium	0.46	J		P
7440-43-9	Cadmium	1.5			P
7440-70-2	Calcium	3320			P
7440-47-3	Chromium	11.2			P
7440-48-4	Cobalt	7.6			P
7440-50-8	Copper	162		D	P
7439-89-6	Iron	11300			P
7439-92-1	Lead	91.6		D E	P
7439-95-4	Magnesium	2340			P
7439-96-5	Manganese	689		D	P
7440-02-0	Nickel	20.3			P
7440-09-7	Potassium	2110			P
7782-49-2	Selenium	3.8	U		P
7440-22-4	Silver	1.1	U	N	P
7440-23-5	Sodium	40.5	J		P
7440-28-0	Thallium	2.7	U		P
7440-62-2	Vanadium	19.1			P
7440-66-6	Zinc	185			P

Color Before: BROWN Clarity Before: Texture: MED

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5307

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 75.6

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-4
Date Received: 01/14/2011

Concentration Units ($\mu\text{g/L}$, μg , or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
		7439-97-6 Mercury	0.016	J	CV

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5307

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 75.6

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-4
Date Received: 01/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.76			AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: Clarity After: Artifacts:

Comments:

USEPA - CLP
 1A-IN
 INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5308

Lab Name: TESTAMERICA BURLINGTON
 Lab Code: STLV Case No.: 40949
 Matrix: SOIL
 % Solids: 81.3

Contract: EPW09044
 Mod. Ref. No.: SDG No.: ME5225
 Lab Sample Id: 200-3327-5
 Date Received: 01/14/2011

Concentration Units ($\mu\text{g/L}$, μg , or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7930			P
7440-36-0	Antimony	5.9	U	N	P
7440-38-2	Arsenic	5.0			P
7440-39-3	Barium	167			P
7440-41-7	Beryllium	0.93			P
7440-43-9	Cadmium	2.0			P
7440-70-2	Calcium	2950			P
7440-47-3	Chromium	12.5			P
7440-48-4	Cobalt	7.0			P
7440-50-8	Copper	207		D	P
7439-89-6	Iron	12700			P
7439-92-1	Lead	169		D E	P
7439-95-4	Magnesium	2220			P
7439-96-5	Manganese	535		D	P
7440-02-0	Nickel	21.4			P
7440-09-7	Potassium	1710			P
7782-49-2	Selenium	3.4	U		P
7440-22-4	Silver	0.98	U	N	P
7440-23-5	Sodium	46.9	J		P
7440-28-0	Thallium	2.4	U		P
7440-62-2	Vanadium	19.5			P
7440-66-6	Zinc	741		D	P

Color Before: BROWN Clarity Before: Texture: MED

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5308

Lab Name: TESTAMERICA BURLINGTON Contract: EPW09044
Lab Code: STLV Case No.: 40949 Mod. Ref. No.: SDG No.: ME52Z5
Matrix: SOIL Lab Sample Id: 200-3327-5
% Solids: 81.3 Date Received: 01/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.011	J		CV

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5308

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 81.3

Contract: EPW09044
Mod. Ref. No.: _____ SDG No.: ME52Z5
Lab Sample Id: 200-3327-5
Date Received: 01/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.72			AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5309

Lab Name:	TESTAMERICA BURLINGTON	Contract:	EPW09044
Lab Code:	STLV	Case No.:	40949
Matrix:	SOIL	Mod. Ref. No.:	SDG No.:
% Solids:	63.2	Lab Sample Id.:	200-3327-6
		Date Received:	01/14/2011

Concentration Units ($\mu\text{g/L}$, μg , or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8730			P
7440-36-0	Antimony	7.7	U	N	P
7440-38-2	Arsenic	6.6			P
7440-39-3	Barium	258			P
7440-41-7	Beryllium	3.0			P
7440-43-9	Cadmium	3.7			P
7440-70-2	Calcium	2870			P
7440-47-3	Chromium	17.3			P
7440-48-4	Cobalt	11.4			P
7440-50-8	Copper	419		D	P
7439-89-6	Iron	18800			P
7439-92-1	Lead	451		D E	P
7439-95-4	Magnesium	2450			P
7439-96-5	Manganese	737		D	P
7440-02-0	Nickel	39.0			P
7440-09-7	Potassium	2190			P
7782-49-2	Selenium	4.5	U		P
7440-22-4	Silver	1.3	U	N	P
7440-23-5	Sodium	235	J		P
7440-28-0	Thallium	3.2	U		P
7440-62-2	Vanadium	21.5			P
7440-66-6	Zinc	2670		D	P

Color Before: BROWN Clarity Before: _____ Texture: MED

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts: _____

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5309

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 63.2

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-6
Date Received: 01/14/2011

Concentration Units ($\mu\text{g/L}$, μg , or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.034	J		CV

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5309

Lab Name: TESTAMERICA BURLINGTON Contract: EPW09044
Lab Code: STLV Case No.: 40949 Mod. Ref. No.: SDG No.: ME5225
Matrix: SOIL Lab Sample Id: 200-3327-6
% Solids: 63.2 Date Received: 01/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.78			AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: Clarity After: Artifacts:

Comments:

USEPA - CLP
 1A-IN
 INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5310

Lab Name: TESTAMERICA BURLINGTON
 Lab Code: STLV Case No.: 40949
 Matrix: SOIL
 % Solids: 76.9

Contract: EPW09044
 Mod. Ref. No.: SDG No.: ME52Z5
 Lab Sample Id: 200-3327-7
 Date Received: 01/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8250			P
7440-36-0	Antimony	14.5		N	P
7440-38-2	Arsenic	23.8			P
7440-39-3	Barium	292			P
7440-41-7	Beryllium	11.5			P
7440-43-9	Cadmium	12.9			P
7440-70-2	Calcium	7630			P
7440-47-3	Chromium	27.4			P
7440-48-4	Cobalt	26.5			P
7440-50-8	Copper	4880		D	P
7439-89-6	Iron	34300		D	P
7439-92-1	Lead	2770		D E	P
7439-95-4	Magnesium	2990			P
7439-96-5	Manganese	824		D	P
7440-02-0	Nickel	648		D	P
7440-09-7	Potassium	1380			P
7782-49-2	Selenium	0.57	J		P
7440-22-4	Silver	7.0		N	P
7440-23-5	Sodium	1430			P
7440-28-0	Thallium	2.6	U		P
7440-62-2	Vanadium	19.5			P
7440-66-6	Zinc	8420		D	P

Color Before: BROWN Clarity Before: Texture: MED

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5310

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 76.9

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-7
Date Received: 01/14/2011

Concentration Units ($\mu\text{g/L}$, μg , or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.096	J		CV

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5310

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 76.9

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-7
Date Received: 01/14/2011

Concentration Units ($\mu\text{g/L}$, μg , or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.78			AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: Clarity After: Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5311

Lab Name:	TESTAMERICA BURLINGTON	Contract:	EPW09044
Lab Code:	STLV	Case No.:	40949
Matrix:	SOIL	Mod. Ref. No.:	SDG No.: ME52Z5
% Solids:	38.6	Lab Sample Id:	200-3327-8
		Date Received:	01/14/2011

Concentration Units ($\mu\text{g/L}$, μg , or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6540			P
7440-36-0	Antimony	3.4	J	N	P
7440-38-2	Arsenic	11.6			P
7440-39-3	Barium	311			P
7440-41-7	Beryllium	2.2			P
7440-43-9	Cadmium	31.2			P
7440-70-2	Calcium	7330			P
7440-47-3	Chromium	14.9			P
7440-48-4	Cobalt	10.7			P
7440-50-8	Copper	2540		D	P
7439-89-6	Iron	14000		D	P
7439-92-1	Lead	1570		D E	P
7439-95-4	Magnesium	2400			P
7439-96-5	Manganese	1010		D	P
7440-02-0	Nickel	1170		D	P
7440-09-7	Potassium	1520			P
7782-49-2	Selenium	7.2	U		P
7440-22-4	Silver	1.9	J	N	P
7440-23-5	Sodium	124	J		P
7440-28-0	Thallium	5.1	U		P
7440-62-2	Vanadium	18.0			P
7440-66-6	Zinc	3040		D	P

Color Before: BROWN Clarity Before: Texture: MED

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5311

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 38.6

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-8
Date Received: 01/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.11	J		CV

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5311

Lab Name: TESTAMERICA BURLINGTON Contract: EPW09044
Lab Code: STLV Case No.: 40949 Mod. Ref. No.: SDG No.: ME52Z5
Matrix: SOIL Lab Sample Id: 200-3327-8
% Solids: 38.6 Date Received: 01/14/2011

Concentration Units ($\mu\text{g/L}$, μg , or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	1.7			AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: Clarity After: Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5312

Lab Name:	TESTAMERICA BURLINGTON	Contract:	EPW09044
Lab Code:	STLV	Case No.:	40949
Matrix:	SOIL	Mod. Ref. No.:	SDG No.:
% Solids:	64.7	Lab Sample Id:	200-3327-9
		Date Received:	01/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8650			P
7440-36-0	Antimony	30.0		N	P
7440-38-2	Arsenic	36.5			P
7440-39-3	Barium	710			P
7440-41-7	Beryllium	10.4			P
7440-43-9	Cadmium	133		D	P
7440-70-2	Calcium	9810			P
7440-47-3	Chromium	42.3		D	P
7440-48-4	Cobalt	29.2			P
7440-50-8	Copper	7720		D	P
7439-89-6	Iron	45200		D	P
7439-92-1	Lead	8500		D E	P
7439-95-4	Magnesium	3110			P
7439-96-5	Manganese	987		D	P
7440-02-0	Nickel	644		D	P
7440-09-7	Potassium	1450			P
7782-49-2	Selenium	1.6	J		P
7440-22-4	Silver	11.6		N	P
7440-23-5	Sodium	960			P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	21.2			P
7440-66-6	Zinc	21700		D	P

Color Before: BROWN Clarity Before: _____ Texture: MED _____

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts: _____

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5312

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 64.7

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-9
Date Received: 01/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.72			CV

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:
Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5312

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 64.7

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-9
Date Received: 01/14/2011

Concentration Units ($\mu\text{g/L}$, μg , or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.90			AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: Clarity After: Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5313

Lab Name:	TESTAMERICA BURLINGTON	Contract:	EPW09044
Lab Code:	STLV Case No.: 40949	Mod. Ref. No.:	SDG No.: ME5225
Matrix:	SOIL	Lab Sample Id:	200-3327-10
% Solids:	75.9	Date Received:	01/14/2011

Concentration Units ($\mu\text{g}/\text{L}$, μg , or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8930			P
7440-36-0	Antimony	6.4	U	N	P
7440-38-2	Arsenic	5.6			P
7440-39-3	Barium	128			P
7440-41-7	Beryllium	0.50	J		P
7440-43-9	Cadmium	0.72			P
7440-70-2	Calcium	3790			P
7440-47-3	Chromium	12.3			P
7440-48-4	Cobalt	7.0			P
7440-50-8	Copper	28.1			P
7439-89-6	Iron	14300			P
7439-92-1	Lead	27.4		E	P
7439-95-4	Magnesium	2910			P
7439-96-5	Manganese	509		D	P
7440-02-0	Nickel	16.4			P
7440-09-7	Potassium	1810			P
7782-49-2	Selenium	3.7	U		P
7440-22-4	Silver	1.1	U	N	P
7440-23-5	Sodium	61.1	J		P
7440-28-0	Thallium	2.7	U		P
7440-62-2	Vanadium	21.0			P
7440-66-6	Zinc	89.1			P

Color Before: BROWN Clarity Before: Texture: MED

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5313

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 75.9

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-10
Date Received: 01/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.021	J		CV

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5313

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 75.9

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-10
Date Received: 01/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.67			AS

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: Clarity After: Artifacts:
Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5318

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 63.8

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-11
Date Received: 01/14/2011

Concentration Units ($\mu\text{g/L}$, μg , or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9200			P
7440-36-0	Antimony	7.6	U	N	P
7440-38-2	Arsenic	7.2			P
7440-39-3	Barium	253			P
7440-41-7	Beryllium	3.3			P
7440-43-9	Cadmium	4.1			P
7440-70-2	Calcium	2850			P
7440-47-3	Chromium	19.1			P
7440-48-4	Cobalt	10.3			P
7440-50-8	Copper	508		D	P
7439-89-6	Iron	20200			P
7439-92-1	Lead	534		D E	P
7439-95-4	Magnesium	2510			P
7439-96-5	Manganese	624		D	P
7440-02-0	Nickel	41.9			P
7440-09-7	Potassium	2400			P
7782-49-2	Selenium	4.4	U		P
7440-22-4	Silver	1.3	U	N	P
7440-23-5	Sodium	213	J		P
7440-28-0	Thallium	3.2	U		P
7440-62-2	Vanadium	22.6			P
7440-66-6	Zinc	3150		D	P

Color Before: BROWN Clarity Before: Texture: MED

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5318

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 63.8

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-11
Date Received: 01/14/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
7439-97-6	Mercury	0.033	J		CV

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: LIGHT BROWN Clarity After: CLOUDY Artifacts:

Comments:

USEPA - CLP
1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME5318

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Matrix: SOIL
% Solids: 63.8

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Lab Sample Id: 200-3327-11
Date Received: 01/14/2011

Concentration Units ($\mu\text{g/L}$, μg , or mg/kg dry weight): mg/kg

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	0.93			AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: Clarity After: Artifacts:

Comments:

USEPA - CLP
3-IN
BLANKS

Lab Name: TESTAMERICA BURLINGTON Contract: EPW09044

Lab Code: STLV Case No.: 40949 Mod. Ref. No.: SDG No.: ME52Z5

Preparation Blank Matrix (soil/water/wipe/filter): SOIL

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): mg/kg

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank			
		C	1	C	2	C	3	C		C	M	
Aluminum	200	U	200	U	200	U	200	U	20.0	U	P	
Antimony	60.0	U	60.0	U	60.0	U	60.0	U	6.0	U	P	
Arsenic	10.0	U	-3.5	J	10.0	U	10.0	U	-0.28	J	P	
Barium	200	U	200	U	200	U	200	U	20.0	U	P	
Beryllium	5.0	U	5.0	U	5.0	U	5.0	U	0.50	U	P	
Cadmium	5.0	U	5.0	U	5.0	U	5.0	U	0.50	U	P	
Calcium	5000	U	5000	U	5000	U	5000	U	500	U	P	
Chromium	10.0	U	10.0	U	10.0	U	10.0	U	0.12	J	P	
Cobalt	50.0	U	50.0	U	50.0	U	50.0	U	5.0	U	P	
Copper	25.0	U	25.0	U	25.0	U	25.0	U	-0.16	J	P	
Lead	10.0	U	10.0	U	10.0	U	10.0	U	1.0	U	P	
Magnesium	5000	U	5000	U	5000	U	5000	U	500	U	P	
Manganese	15.0	U	15.0	U	15.0	U	15.0	U	1.5	U	P	
Nickel	40.0	U	40.0	U	40.0	U	40.0	U	4.0	U	P	
Potassium	5000	U	5000	U	5000	U	5000	U	500	U	P	
Selenium	35.0	U	35.0	U	35.0	U	35.0	U	3.5	U	P	
Sodium	5000	U	5000	U	5000	U	5000	U	500	U	P	
Thallium	25.0	U	25.0	U	25.0	U	25.0	U	2.5	U	P	
Vanadium	50.0	U	50.0	U	50.0	U	50.0	U	5.0	U	P	
Zinc	60.0	U	-1.9	J	2.4	J	60.0	U	6.0	U	P	

USEPA - CLP
3-IN
BLANKS

Lab Name: TESTAMERICA BURLINGTON Contract: EPW09044
 Lab Code: STLV Case No.: 40949 Mod. Ref. No.: SDG No.: ME52Z5
 Preparation Blank Matrix (soil/water/wipe/filter): SOIL
 Preparation Blank Concentration Units (ug/L, ug, or mg/kg): mg/kg

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Cadmium	5.0	U	5.0	U	5.0	U	5.0	U			P
Chromium	10.0	U	10.0	U	10.0	U	10.0	U			P
Copper	25.0	U	25.0	U	25.0	U	25.0	U			P
Iron	100	U	100	U	100	U	100	U	10.0	U	P
Lead	10.0	U	10.0	U	10.0	U	10.0	U			P
Manganese	15.0	U	15.0	U	15.0	U	15.0	U			P
Nickel	40.0	U	40.0	U	40.0	U	40.0	U			P
Silver	10.0	U	10.0	U	10.0	U	10.0	U	1.0	U	P
Zinc	60.0	U	60.0	U	60.0	U	60.0	U			P

USEPA - CLP
3-IN
BLANKS

Lab Name: TESTAMERICA BURLINGTON Contract: EPW09044

Lab Code: STLV Case No.: 40949 Mod. Ref. No.: SDG No.: ME52Z5

Preparation Blank Matrix (soil/water/wipe/filter): _____

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): _____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Cadmium			5.0	U							P
Chromium			10.0	U							P
Copper			25.0	U							P
Iron			100	U	100	U	100	U			P
Lead			10.0	U							P
Manganese			15.0	U							P
Nickel			40.0	U							P
Silver			10.0	U	10.0	U	10.0	U			P
Zinc			60.0	U							P

USEPA - CLP

3-IN

BLANKS

Lab Name: TESTAMERICA BURLINGTON

Contract: EPW09044

Lab Code: STLV Case No.: 40949 Mod. Ref. No.: SDG No.: ME52Z5

Preparation Blank Matrix (soil/water/wipe/filter): SOIL

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): mg/kg

Analyte	Initial Calibration Blank (ug/L)	Continuing Calibration Blank (ug/L)						Preparation Blank				
			C	1	C	2	C	3	C		C	M
Mercury	-0.038	J		-0.015	J	-0.070	J	-0.085	J	0.10	U	CV

USEPA - CLP
3-IN
BLANKS

Lab Name: TESTAMERICA BURLINGTON Contract: EPW09044

Lab Code: STLV Case No.: 40949 Mod. Ref. No.: _____ SDG No.: ME52Z5

Preparation Blank Matrix (soil/water/wipe/filter): SOIL

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): mg/kg

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Cyanide	8.6	J	8.1	J	8.3	J			0.41	J	AS

USEPA - CLP
3-IN
BLANKS

Lab Name: TESTAMERICA BURLINGTON Contract: EPW09044

Lab Code: STLV Case No.: 40949 Mod. Ref. No.: _____ SDG No.: ME52Z5

Preparation Blank Matrix (soil/water/wipe/filter): SOIL

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): mg/kg

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Cyanide	8.8	J	8.7	J	9.1	J			0.42	J	AS

USEPA - CLP
5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME5318S

Lab Name: TESTAMERICA BURLINGTON

Contract: EPW09044

Lab Code: STLV Case No.: 40949

Mod. Ref. No.: SDG No.: ME52Z5

Matrix: SOIL

% Solids for Sample: 63.8

Concentration Units (ug/L or mg/kg dry weight): mg/kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)		Spike Added (SA)	%R	Q	M
			C	C				
Antimony	75-125	8.4		7.6 U	25.3	33	N	P
Arsenic	75-125	15.0		7.2	10.1	77		P
Barium	75-125	646		253	506	78		P
Beryllium	75-125	13.5		3.3	12.6	80		P
Cadmium	75-125	14.2		4.1	12.6	80		P
Chromium	75-125	64.8		19.1	50.6	90		P
Cobalt	75-125	119		10.3	126	86		P
Copper		527		508	63.2	30		P
Lead		480		534	5.06	-1081		P
Manganese		651		624	126	21		P
Nickel	75-125	148		41.9	126	84		P
Selenium	75-125	10.7		4.4 U	12.6	84		P
Silver	75-125	6.2		1.3 U	12.6	49	N	P
Thallium	75-125	10.6		3.2 U	12.6	84		P
Vanadium	75-125	123		22.6	126	79		P
Zinc		2910		3150	126	-188		P

Comments:

USEPA - CLP
5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME5318S

Lab Name: TESTAMERICA BURLINGTON

Contract: EPW09044

Lab Code: STLV Case No.: 40949

Mod. Ref. No.: SDG No.: ME52Z5

Matrix: SOIL

% Solids for Sample: 63.8

Concentration Units (ug/L or mg/kg dry weight): mg/kg

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Mercury	75-125	1.5	0.033 J	1.51	100		CV

Comments:

USEPA - CLP
5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME5318S

Lab Name: TESTAMERICA BURLINGTON

Contract: EPW09044

Lab Code: STLV Case No.: 40949

Mod. Ref. No.: SDG No.: ME52Z5

Matrix: SOIL

% Solids for Sample: 63.8

Concentration Units (ug/L or mg/kg dry weight): mg/kg

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Cyanide	75-125	9.1	0.93	7.68	106		AS

Comments:

USEPA - CLP
5B-IN
POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME5318A

Lab Name: TESTAMERICA BURLINGTON

Contract: EPW09044

Lab Code: STLV Case No.: 40949

Mod. Ref. No.: SDG No.: ME52Z5

Matrix: SOIL

Concentration Units (ug/L or mg/kg dry weight): mg/kg

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Antimony		14.0	7.6 U	15.2	92		P
Silver		2.4	1.3 U	2.53	95		P

Comments:

USEPA - CLP
6-IN
DUPLICATES

EPA SAMPLE NO.

ME5318D

Lab Name: TESTAMERICA BURLINGTON

Contract: EPW09044

Lab Code: STLV Case No.: 40949

Mod. Ref. No.: SDG No.: ME52Z5

Matrix: SOIL

% Solids for Sample: 63.0

Concentration Units (ug/L or mg/kg dry weight): mg/kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum		9200	8840	4		P
Antimony		7.6	U	7.6	U	P
Arsenic		7.2		7.0		P
Barium		253		236		P
Beryllium		3.3		3.0		P
Cadmium		4.1		3.9		P
Calcium	632	2850		2690		P
Chromium		19.1		17.9		P
Cobalt	6.3	10.3		8.9		P
Copper		508		474		P
Iron		20200		18800		P
Lead	126	534		470		P
Magnesium	632	2510		2370		P
Manganese	190	624		539		P
Nickel		41.9		38.7		P
Potassium	632	2400		2330		P
Selenium		4.4	U	4.4	U	P
Silver		1.3	U	1.3	U	P
Sodium		213	J	196	J	P
Thallium		3.2	U	3.1	U	P
Vanadium	6.3	22.6		21.6		P
Zinc	758	3150		2860		P

USEPA - CLP
6-IN
DUPLICATES

EPA SAMPLE NO.

ME5318D

Lab Name: TESTAMERICA BURLINGTON

Contract: EPW09044

Lab Code: STLV Case No.: 40949

Mod. Ref. No.: SDG No.: ME52Z5

Matrix: SOIL

% Solids for Sample: 63.0

Concentration Units (ug/L or mg/kg dry weight): mg/kg

Analyte	Control Limit	Sample (S)		Duplicate (D)		RPD	Q	M
		C		C				
Mercury		0.033	J	0.033	J	0		CV

USEPA - CLP
6-IN
DUPLICATES

EPA SAMPLE NO.

ME5318D

Lab Name: TESTAMERICA BURLINGTON

Contract: EPW09044

Lab Code: STLV Case No.: 40949

Mod. Ref. No.: SDG No.: ME52Z5

Matrix: SOIL

% Solids for Sample: 63.0

Concentration Units (ug/L or mg/kg dry weight): mg/kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Cyanide	0.77	0.93	0.92	1		AS

USEPA - CLP
9-IN
METHOD DETECTION LIMIT (MDL) (ANNUALLY)

Lab Name: TESTAMERICA BURLINGTON Contract: EPW09044
 Lab Code: STLV Case No.: 40949 Mod. Ref. No.: _____ SDG No.: ME52Z5
 Instrument Type: P Instrument ID: METICP7 Date: 06/09/2010
 Preparation Method: 3050B
 Concentration Units (ug/L, mg/kg, or ug): mg/kg

Analyte	Wavelength/Mass	MDL
Aluminum	396.152	6.4
Antimony	206.833	0.34
Arsenic	189.042	0.27
Barium	233.527	0.89
Beryllium	313.042	0.028
Cadmium	228.802	0.033
Calcium	318.128	7.9
Chromium	205.552	0.046
Cobalt	228.616	0.077
Copper	324.754	0.097
Iron	271.441	1.4
Lead	220.353	0.26
Magnesium	279.079	6.7
Manganese	257.610	0.024
Nickel	231.604	0.22
Potassium	766.490	19.0
Selenium	196.090	0.28
Silver	328.068	0.15
Sodium	589.952	6.0
Thallium	190.856	0.13
Vanadium	292.402	0.12
Zinc	213.856	0.85

Comments:

USEPA - CLP
9-IN
METHOD DETECTION LIMIT (MDL) (ANNUALLY)

Lab Name: TESTAMERICA BURLINGTON Contract: EPW09044

Lab Code: STLV Case No.: 40949 Mod. Ref. No.: _____ SDG No.: ME52Z5

Instrument Type: CV Instrument ID: MEPCV3 Date: 01/01/2010

Preparation Method: 7471B

Concentration Units (ug/L, mg/kg, or ug): mg/kg

Analyte	Wavelength/Mass	MDL
Mercury		0.0039

Comments:

USEPA - CLP
9-IN
METHOD DETECTION LIMIT (MDL) (ANNUALLY)

Lab Name: TESTAMERICA BURLINGTON

Contract: EPW09044

Lab Code: STLV Case No.: 40949 Mod. Ref. No.: SDG No.: ME52Z5

Instrument Type: AS Instrument ID: WCLACHAT Date: 06/09/2010

Preparation Method: Midi-distillation

Concentration Units (ug/L, mg/kg, or ug): mg/kg

Analyte	Wavelength/Mass	MDL
Cyanide		0.25

Comments:

USEPA - CLP
12-IN
PREPARATION LOG

Lab Name: TESTAMERICA BURLINGTON Contract: EPW09044
Lab Code: STLV Case No.: 40949 Mod. Ref. No.: SDG No.: ME52Z5
Preparation Method: 3050B

EPA Sample No.	Preparation Date	Initial Weight/Volume (g) or (mL)	Final Volume (mL)
LCS	01/17/2011	1.00	100
ME52Z5	01/17/2011	1.12	100
ME52Z7	01/17/2011	1.27	100
ME5306	01/17/2011	1.27	100
ME5307	01/17/2011	1.22	100
ME5308	01/17/2011	1.26	100
ME5309	01/17/2011	1.24	100
ME5310	01/17/2011	1.24	100
ME5311	01/17/2011	1.26	100
ME5312	01/17/2011	1.23	100
ME5313	01/17/2011	1.23	100
ME5318	01/17/2011	1.24	100
ME5318D	01/17/2011	1.26	100
ME5318S	01/17/2011	1.24	100
PBS	01/17/2011	1.00	100

USEPA - CLP
12-IN
PREPARATION LOG

Lab Name: TESTAMERICA BURLINGTON Contract: EPW09044

Lab Code: STLV Case No.: 40949 Mod. Ref. No.: SDG No.: ME52Z5

Preparation Method: 7471B

EPA Sample No.	Preparation Date	Initial Weight/Volume (g) or (mL)	Final Volume (mL)
CCB	01/18/2011	100	100
CCV	01/18/2011	100	100
ICB	01/18/2011	100	100
ICV	01/18/2011	100	100
ME52Z5	01/18/2011	.50	100
ME52Z7	01/18/2011	.50	100
ME5306	01/18/2011	.56	100
ME5307	01/18/2011	.59	100
ME5308	01/18/2011	.56	100
ME5309	01/18/2011	.53	100
ME5310	01/18/2011	.53	100
ME5311	01/18/2011	.56	100
ME5312	01/18/2011	.51	100
ME5313	01/18/2011	.51	100
ME5318	01/18/2011	.50	100
ME5318D	01/18/2011	.52	100
ME5318S	01/18/2011	.52	100
PBS	01/18/2011	.50	100
S0	01/18/2011	100	100
S0.2	01/18/2011	100	100
S0.5	01/18/2011	100	100
S1	01/18/2011	100	100
S10	01/18/2011	100	100
S5	01/18/2011	100	100

USEPA - CLP
12-IN
PREPARATION LOG

Lab Name: TESTAMERICA BURLINGTON Contract: EPW09044
 Lab Code: STLV Case No.: 40949 Mod. Ref. No.: SDG No.: ME52Z5
 Preparation Method: Midi-distillation

EPA Sample No.	Preparation Date	Initial Weight/Volume (g) or (mL)	Final Volume (mL)
CCB	01/18/2011	100	100
CCV	01/18/2011	100	100
ICB	01/18/2011	100	100
ICV	01/18/2011	100	100
ME52Z5	01/18/2011	1.01	50
ME52Z7	01/18/2011	1.01	50
ME5306	01/18/2011	1.03	50
ME5307	01/18/2011	1.04	50
ME5308	01/18/2011	1.04	50
ME5309	01/18/2011	1.02	50
ME5310	01/18/2011	1.02	50
ME5311	01/18/2011	1.02	50
ME5312	01/18/2011	1.02	50
PBS	01/18/2011	1.00	50
S0	01/18/2011	100	100
S10	01/18/2011	100	100
S100	01/18/2011	100	100
S200	01/18/2011	100	100
S400	01/18/2011	100	100
S50	01/18/2011	100	100

USEPA - CLP
12-IN
PREPARATION LOG

Lab Name: TESTAMERICA BURLINGTON

Contract: EPW09044

Lab Code: STLV Case No.: 40949

Mod. Ref. No.: SDG No.: ME52Z5

Preparation Method: Midi-distillation

EPA Sample No.	Preparation Date	Initial Weight/Volume (g) or (mL)	Final Volume (mL)
ME5313	01/18/2011	1.01	50
ME5318	01/18/2011	1.02	50
ME5318D	01/18/2011	1.01	50
ME5318S	01/18/2011	1.02	50
PBS	01/18/2011	1.00	50

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Instrument ID: METICP7
Start Date: 01/19/2011

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Analysis Method: P
End Date: 01/19/2011

EPA Sample No.	D/F	Time	Analytes																								
			A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	P B	M G	M N	N I	K	S E	N A	T L	V	Z N					
S0	1.0	0115	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
S	1.0	0120	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
S	1.0	0125	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
S	1.0	0130	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
S	1.0	0135	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
S	1.0	0140	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
S	1.0	0145	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ICV	1.0	0149	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ICV	10	0154		X		X	X		X			X		X		X		X		X		X		X			
ICB	1.0	0159	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ICSA	1.0	0204		X	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X	X	X	X	X		
ICSA	10	0209	X					X						X				X									
ICSAB	1.0	0214		X	X	X						X		X			X	X	X	X	X	X	X	X	X		
ICSAB	10	0219	X					X	X	X	X		X		X	X											
CCV	1.0	0224	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB	1.0	0229	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
PBS	1.0	0233	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
LCS	1.0	0238	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ME52Z5	1.0	0243	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ME52Z7	1.0	0249	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ME5306	1.0	0254	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ME5307	1.0	0259	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ME5308	1.0	0304	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ME5309	1.0	0309	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ME5310	1.0	0314	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ME5311	1.0	0320	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCV	1.0	0325	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB	1.0	0330	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ME5312	1.0	0335	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ME5313	1.0	0340	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ME5318	1.0	0345	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ME5318L	5.0	0351	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ME5318A	1.0	0356	X																								
ME5318D	1.0	0401	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ME5318S	1.0	0406	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ME5318S	10	0412							X																		
CCV	1.0	0416	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
CCB	1.0	0421	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: TESTAMERICA BURLINGTON

Contract: EPW09044

Lab Code: STLV Case No.: 40949

Mod. Ref. No.: SDG No.: ME5225

Instrument ID: METICP7

Analysis Method: P

Start Date: 01/19/2011

End Date: 01/19/2011

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: TESTAMERICA BURLINGTON

Contract: EPW09044

Lab Code: STLV Case No.: 40949

Mod. Ref. No.: SDG No.: ME52Z5

Instrument ID: METICP7

Analysis Method: P

Start Date: 01/19/2011

End Date: 01/19/2011

EPA Sample No.	D/F	Time	Analytes												
			C _D	C _R	C _U	F _E	P _B	M _N	N _I	A _G	Z _N				
ME5318D	10	1758			X										
ME5318S	10	1803			X										
ME5318	100	1808					X	X			X				
ME5318L	500	1813					X	X			X				
ME5318D	100	1818					X	X			X				
ME5318S	100	1823					X	X			X				
CCV	1.0	1828	X	X	X	X	X	X	X	X	X				
CCB	1.0	1833	X	X	X	X	X	X	X	X	X				
ME52Z5	1.0	1838				X				X					
ME52Z7	1.0	1843				X				X					
ME5306	1.0	1848				X				X					
ME5307	1.0	1853				X				X					
ME5308	1.0	1858				X				X					
ME5309	1.0	1903				X				X					
ME5310	1.0	1908								X					
ME5311	1.0	1914								X					
ME5312	1.0	1919								X					
ME5313	1.0	1925				X				X					
CCV	1.0	1930				X				X					
CCB	1.0	1935				X				X					
ME5318	1.0	1940				X				X					
ME5318L	5.0	1945				X				X					
ME5318A	1.0	1950								X					
ME5318D	1.0	1955				X				X					
ME5318S	1.0	2001								X					
CCV	1.0	2006				X				X					
CCB	1.0	2011				X				X					

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Instrument ID: MEPCV3
Start Date: 01/18/2011

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Analysis Method: CV
End Date: 01/18/2011

EPA Sample No.	D/F	Time	Analytes															
			H	G														
S0	1.0	0936	X															
S0.2	1.0	0938	X															
S0.5	1.0	0940	X															
S1	1.0	0942	X															
S5	1.0	0944	X															
S10	1.0	0946	X															
ICV	1.0	0948	X															
ICB	1.0	0950	X															
CCV	1.0	0952	X															
CCB	1.0	0954	X															
PBS	1.0	0955	X															
ME52Z5	1.0	0957	X															
ME52Z7	1.0	0959	X															
ME5306	1.0	1001	X															
ME5307	1.0	1003	X															
ME5308	1.0	1005	X															
ME5309	1.0	1007	X															
ME5310	1.0	1009	X															
ME5311	1.0	1011	X															
CCV	1.0	1013	X															
CCB	1.0	1015	X															
ME5312	1.0	1017	X															
ME5313	1.0	1019	X															
ME5318	1.0	1020	X															
ME5318D	1.0	1022	X															
ME5318S	1.0	1024	X															
CCV	1.0	1026	X															
CCB	1.0	1028	X															

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: TESTAMERICA BURLINGTON Contract: EPW09044
 Lab Code: STLV Case No.: 40949 Mod. Ref. No.: SDG No.: ME52Z5
 Instrument ID: WCLACHAT Analysis Method: AS
 Start Date: 01/18/2011 End Date: 01/18/2011

EPA Sample No.	D/F	Time	Analytes															
			C N															
S0	1.0	1120	X															
S10	1.0	1121	X															
S50	1.0	1122	X															
S100	1.0	1123	X															
S200	1.0	1124	X															
S400	1.0	1125	X															
ICV	1.0	1127	X															
ICB	1.0	1128	X															
CCV	1.0	1129	X															
CCB	1.0	1130	X															
PBS	1.0	1131	X															
ME52Z5	1.0	1132	X															
ME52Z7	1.0	1133	X															
ME5306	1.0	1134	X															
ME5307	1.0	1135	X															
ME5308	1.0	1136	X															
ME5309	1.0	1138	X															
ME5310	1.0	1139	X															
ME5311	1.0	1140	X															
ME5312	1.0	1141	X															
CCV	1.0	1142	X															
CCB	1.0	1143	X															

USEPA - CLP
13-IN
ANALYSIS RUN LOG

Lab Name: TESTAMERICA BURLINGTON
Lab Code: STLV Case No.: 40949
Instrument ID: WCLACHAT
Start Date: 01/18/2011

Contract: EPW09044
Mod. Ref. No.: SDG No.: ME52Z5
Analysis Method: AS
End Date: 01/18/2011

EPA Sample No.	D/F	Time	Analytes															
			C	N														
S0	1.0	1420	X															
S10	1.0	1421	X															
S50	1.0	1422	X															
S100	1.0	1423	X															
S200	1.0	1424	X															
S400	1.0	1425	X															
ICV	1.0	1427	X															
ICB	1.0	1428	X															
CCV	1.0	1429	X															
CCB	1.0	1430	X															
PBS	1.0	1431	X															
ME5313	1.0	1432	X															
ME5318	1.0	1433	X															
ME5318D	1.0	1434	X															
ME5318S	1.0	1435	X															
ZZZZZZ	1.0	1436																
ZZZZZZ	1.0	1438																
ZZZZZZ	1.0	1439																
ZZZZZZ	1.0	1440																
ZZZZZZ	1.0	1441																
ZZZZZZ	1.0	1442																
ZZZZZZ	1.0	1443																
ZZZZZZ	1.0	1444																
ZZZZZZ	1.0	1445																
ZZZZZZ	1.0	1446																
ZZZZZZ	1.0	1447																
ZZZZZZ	1.0	1449																
ZZZZZZ	1.0	1450																
ZZZZZZ	1.0	1451																
ZZZZZZ	1.0	1452																
CCV	1.0	1453	X															
CCB	1.0	1454	X															

USEPA - CLP
16-IN
INITIAL CALIBRATION

Lab Name: TESTAMERICA BURLINGTON

Contract: EPW09044

Lab Code: STLV Case No.: 40949

Mod. Ref. No.: SDG No.: ME52Z5

Instrument ID: WCLACHAT

Start Date: 01/18/2011

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Cyanide	0.0	8.1		10.0	13.9	39	50.0	46.4	-7

Control Limits ±30

USEPA - CLP
16-IN
INITIAL CALIBRATION

Lab Name: TESTAMERICA BURLINGTON

Contract: EPW09044

Lab Code: STLV Case No.: 40949

Mod: Ref. No.: SDG No.: ME52Z5

Instrument ID: WCLACHAT

Start Date: 01/18/2011

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Cyanide	100	91.2	-9	200	197	-2	400	404	1

Control Limits ±30

USEPA - CLP
16-IN
INITIAL CALIBRATION

Lab Name: TESTAMERICA BURLINGTON

Contract: EPW09044

Lab Code: STLV Case No.: 40949

Mod. Ref. No.: SDG No.: ME52Z5

Instrument ID: WCLACHAT

Start Date: 01/18/2011

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Cyanide	0.0	8.7		10.0	14.1	41	50.0	46.4	-7

Control Limits ±30

USEPA - CLP
16-IN
INITIAL CALIBRATION

Lab Name: TESTAMERICA BURLINGTON Contract: EPW09044
Lab Code: STLV Case No.: 40949 Mod. Ref. No.: _____ SDG No.: ME52Z5
Instrument ID: WCLACHAT Start Date: 01/18/2011

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Cyanide	100	89.9	-10	200	197	-1	400	404	1

Control Limits ±30

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY ~ REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: M65275 CERCLIS No: FLD048843809

Case No: 40949 Site Name/Location: Chemetco (Fr)

Contractor or EPA Lab: TA Burlington Data User: Silagillie

No. of Samples: 11 Date Sampled or Date Received: 25 JAN 2011

Have Chain-of-Custody records been received? Yes ✓ No _____

Have traffic reports or packing lists been received? Yes ✓ No _____

If no, are traffic reports or packing list numbers written on the Chain-of-Custody Record?

Yes _____ No _____

If no, which traffic report or packing list numbers are missing?

Are basic data forms in? Yes ✓ No _____

No of samples claimed: 11 No. of samples received: _____

Received by: Sylvia Griffin Date: 25 JAN 2011

Received by LSSS: Sylvia Griffin Date: 24 JAN 2011

Review started: 1/31/11 Reviewer Signature: Paulle

Total time spent on review: 11 Date review completed: 2/4/11

Copied by: A. C. Harvey Date: Feb 10, 2011

Mailed to user by: Sylvia Griffin Date: 11 FEB 2011

DATA USER:

Please fill in the blanks below and return this form to:

Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

Data received by: _____ Date: _____

Data review received by: _____ Date: _____

Inorganic Data Complete

Suitable for Intended Purpose T if OK

Organic Data Complete

Suitable for Intended Purpose T if OK

Dioxin data Complete

Suitable for Intended Purpose T if OK

SAS Data Complete

Suitable for Intended Purpose T if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

Received by Data Mgmt. Coordinator for Files. Date: _____